PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1973

SUMMARY					
(All Figures are i	n Inches)				
AVERAGE PRECIPITATION	V				
Above Chattanooga	(51.11)	62.21			
Below Chattanooga	(52.10)	68.48			
Entire Basin	(51.58)	65.10			
MOST RAIN Coweeta No. 31, N.C.	(92.38)	113.92			
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LEAST RAIN					
Trade, Tenn.		37.90			
HIGHEST 24-HOUR RAIN					
Kimbrough Cemetery, Al	a.	9.10			
Rosman, N.C.		9.10			
NATURAL STREAMFLOW					
Above Knoxville	(19.50)	25.23			
Above Chattanooga	(23.58)	31.80			
Number in parentheses is lo	ong-term i	mean.			

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1973

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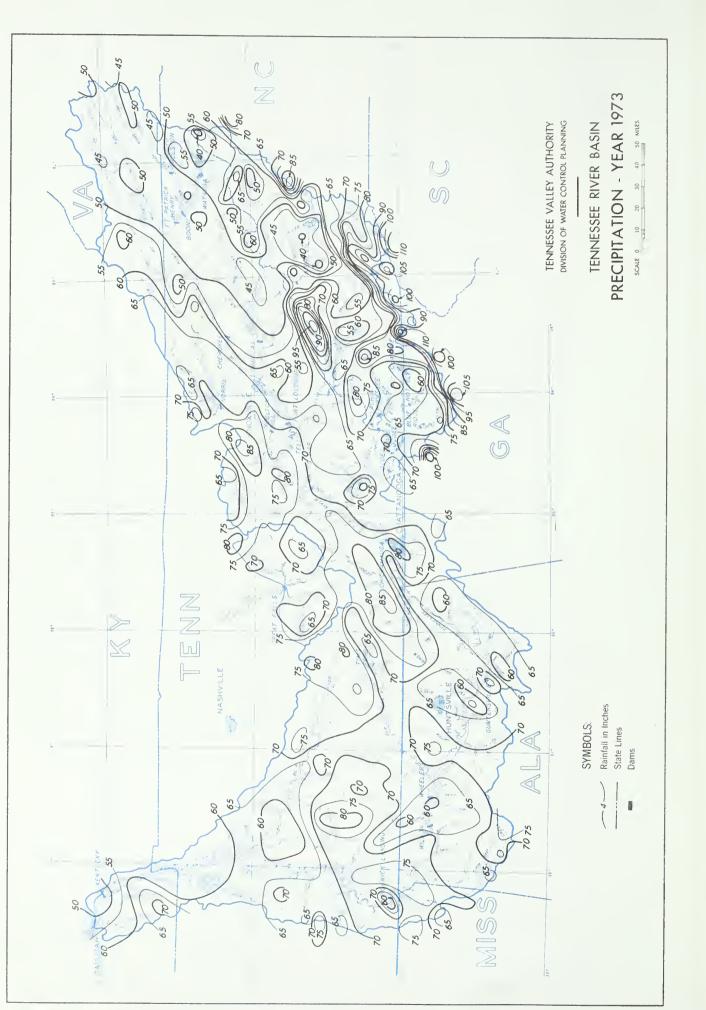
DIVISION OF WATER CONTROL PLANNING
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PRECIPITATION IN TENNESSEE RIVER BASIN

REPORT NO. 0-243-A73





PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1973

Precipitation

The year 1973 was the wettest over the Tennessee River Basin in 84 years of record. Rainfall averaged 65.10 inches, 13.52 inches higher than the 75-year (1890-1964) mean. Average annual precipitation has ranged from 37.86 inches in 1941 to 65.10 inches in 1973. The wettest year prior to 1973 was 1957 when annual precipitation amounted to 64.62 inches. Average precipitation above and below Chattanooga during 1973 was 11.10 inches and 16.38 inches higher than the long-term mean, respectively. These amounts are listed in the summary on the cover of this report. The frontispiece map shows the 1973 annual distribution of precipitation over the Basin.

The index map following page 15 shows the station locations, and Tables 1 through 10 on pages 21 to 59 show monthly and annual precipitation for stations listed in upstream order.

Monthly precipitation in the Basin was above the 75-year mean during nine months of the year; only January, February, and August had total precipitation below the mean. The driest month, August, had 2.97 inches of rain. October was almost as dry, with 3.03 inches. The wettest month was March, with 11.37 inches.

The maximum annual precipitation during 1973, 113, 92 inches, was reported at Station No. 31, Coweeta, North Carolina, in the upper Little Tennessee River watershed. This amount is 21.54 inches higher than the long-term mean at this station. Nearly 100 stations in the Valley with 20 or more years of record experienced their highest annual precipitation amounts of record. Most of these record-high annual amounts occurred in the Tennessee River area above Pickwick Dam and in the Duck, Elk, and lower Clinch River watersheds. Beech Grove. Tennessee, located in the Duck River watershed near Manchester, recorded the widest variation from normal. The annual total, 83.86 inches, was 160 percent of the long-term mean of 52.51 inches. Pleasant Grove School, Alabama, near Bridgeport, had 159 percent of its normal. The maximum monthly precipitation recorded during the year, 20.93 inches in March, fell at Pollards Mill, Tennessee, near Pickwick Dam; nearby Youngs Store, Alabama, had 20.90 inches and Victory, Tennessee, recorded 19.94 inches, also in March. In addition nine other stations in the Basin recorded more than 18 inches of precipitation in the same month. The highest precipitation in a 24-hour period at any station during the year was 9.10 inches at both Kimbrough Cemetery, Alabama, in March and at Rosman, North Carolina, in May.

The minimum annual precipitation in the Basin during 1973, 37.90 inches, fell at the Trade, Tennessee, radio gage* located about 10 miles south of Mountain City. This amount was slightly less than the mean of about 40 inches for this station. The minimum monthly precipitation during the year was 0.34 inch during August at Tims Ford Dam, Tennessee, in the Elk River watershed. About 25 other stations in the Basin also reported less than an inch of rain during August.

^{*}Radio gages do not record very low amounts of precipitation; therefore, monthly and annual precipitation totals shown in this report for those gages may be slightly less than actually occurred.

The 10 highest and lowest amounts recorded in the Tennessee River Basin during the year are listed in the following table:

1973 ANNUAL PRECIPITATION

AT 10 WETTEST AND 10 DRIEST STATIONS

IN THE TENNESSEE RIVER BASIN

Highest Amoun	ts	Lowest Amounts		
Station	1973 Annual Precipitation inches	Station	1973 Annual Precipitation inches	
Coweeta No. 31, N.C. Suches, Ga. Cedar Mountain, N.C. Flat Top, Ga. Highlands, N.C. Tray Mountain, Ga. Gloucester Gap, N.C. Rosman, N.C.	113.92 107.59 104.98 103.80 103.13 100.57 100.05 97.51 96.54	Trade, Tenn. Chambers Mountain, N.C. Parker Branch, N.C. Ivy, N.C. Nolichucky Dam, Tenn. Asheville, N.C. (TVA) Rockyface Mountain, N.C. Groseclose, Va. Weaverville, N.C.	37.90 38.89 39.40 40.38 40.90 41.04 42.22 42.59 43.23	
Neel Gap, Ga. Newfound Gap, N.CTenn.		Asheville, N.C. (NWS)	43.37	

Among the watershed subdivisions, the maximum annual average precipitation for 1973 was 92.6 inches over the French Broad River area above Blantyre, North Carolina, 19 inches higher than the 35-year mean. Fifteen of the watershed subdivisions shown on page 11 recorded their highest annual rainfall of record and nine others recorded their second highest. The minimum annual average for 1973, 46.9 inches, fell over the French Broad River area from Asheville to Newport and was 1.8 inches higher than the 35-year mean.

Precipitation and runoff data for the year above gaging sites on 14 selected watersheds are shown on page 14. Other tabulations and charts on pages 12 and 13 show selected data on precipitation and runoff.

Snow

Snowfall over the Basin ranged from traces at some locations up to almost 50 inches in the eastern mountains. Highest amounts of snow fell in January and December and small amounts fell in February and March. In April, October, and November scattered small amounts were reported in the higher elevations.

In the eastern part of the Basin, snowfall averaged about 10 inches, with the mountainous areas of the northeast getting the highest amounts. The maximum for the year, 48 inches, was reported at McKinney Gap, North Carolina, near Burnsville. In the western part of the Basin, snowfall averaged about 3 inches, with Neapolis, Tennessee, near Columbia, reporting the maximum of 9 inches. In the Caney Fork above Great Falls Dam, snowfall averaged almost 8 inches; Monterey reported the maximum amount, 32.5 inches.

Streamflow

Streamflow in the Basin above Chattanooga in 1973 was above normal during March, April, May, June, July, November, and December. Streamflow was near normal for August and below normal for January, February, September, and October.

Streamflow from the Tennessee River watershed above Chattanooga and above Knoxville and a comparison with the long-term means are shown on the cover and in the following table:

ANNUAL NATURAL STREAMFLOW IN INCHES - 1973

	Water Year		Calendar Ye	
	1973	Mean	1973	Mean
Tennessee River at				
Knoxville	28.33	19.49	25.23	19.50
Chattanooga	33.73	23.56	31.80	23.58

Other tabulations and charts on pages 12, 13, and 14 show rainfall-runoff data for selected watersheds and comparisons with past records.

Evaporation

Data observed at the TVA evaporation stations are shown in the table on page 15.

Temperatures

Air temperatures over the Basin averaged below normal during six months of the year. In June and December temperatures were about normal, and in March, September, October, and November above normal. Air temperatures for the entire Basin averaged about six degrees below normal for the year.

Intense Rainfall

Maximum rainfall intensities for periods of 1, 3, 6, 12, and 24 hours for the years 1936-1973 are shown in a table on page 5. 1973 intensities did not exceed previous maximum amounts.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near the Basin together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Reports on special storm investigations were included in monthly issues of this publication during 1973. These reports and the date of the issue in which they appear are as follows:

	Monthly Bulletin Containing Report
Ice Storm of January 7-8 in North Alabama, North Georgia, and Southeast Tennessee Areas	January
High Winds of January 21, 1973, in East Tennessee	January
Storm and Floods of March 14-18, 1973, in the Tennessee River Basin	March
Tornado of April 19, 1973, near Paducah, Kentucky	April
Sterm of April 19-20, 1973, in Beech River Watershed	April
Tornado of April 24, 1973, in Lincoln County, Tennessee	April
Hailstorm of April 25, 1973, in Vicinity of Muscle Shoals, Alabama	April
Intense Rainfall of April 26, 1973, at Lookout Mountain, Tennessee	April
Tornado and Windstorm of May 8, 1973, in Vicinity of Albertville, Alabama	May
Tornado and Windstorm of May 19, 1973, from Scottsboro to Fort Payne, Alabama	May
Tornado and High Winds of May 19, 1973, at Hazel Green, Alabama	May
Tornado and Windsterm on May 19, 1973, in Lincoln County, Tennessee	May
Tornado of May 27, 1973, in Vicinity of Arab, Alabama	May
Storm and Floods of May 27-28, 1973, in the Tennessee River Basin	May
Earthquake of October 30, 1973, in Blount-Knox County, Tennessee	October
Tornado and Windstorm of November 15, 1973, in Vicinity of Rainsville, Alabama	November
Tornadges of November 27, 1973, in Vicinity of Huntsville, Alabama	November
Windstorm of November 27, 1973, in Northeast Hamilton County, Tennessee	November
Storm and Floods of November 27-28, 1973	November
Earthquake of November 30, 1973, in East Tennessee	November
Windstorms of December 13, 1973, in Cocke, Greene, Polk, and Rhea Counties, Tennessee	December

ANNUAL MAXIMUM RAINFALL INTENSITIES

IN TENNESSEE RIVER BASIN

1936-1973

Each tabular value shows maximum rainfall in inches occurring within the time period shown at head of the column. The number in parentheses is the station where this occurred.

			Inches for		
Year	1 Hour	3 Hours	6 Hours	12 Hours	24 Hours
1936	3.00 (34)	4.79 (60)	5. 62 (60)	6. 90 (60)	8.85 (60)
1937	2.64 (90)	3.70 (29)	4. 40 (70)	6. 16 (283)	7.68 (283)
1938	2.61 (179)	3.77 (101)	6. 78 (179)	7. 91 (179)	9.10 (179)
1939	3.52 (207)	6.81 (24)	6. 81 (24)	6. 81 (24)	8.57 (397)
1940	3.08 (142)	4.00 (190)	6. 12 (190)	9. 02 (190)	11.60 (115)
1941	3.65 (391)	3.87 (470)	3.98 (42)	4.00 (50)	5. 23 (563)
1942	2.95 (520B)	4.80 (419)	4.80 (419)	5.79 (283)	9. 53 (285)
1943	3.19 (275)	4.36 (275)	4.75 (58)	4.88 (275)	6. 70 (566)
1944	4.88 (505)	8.06 (505)	8.16 (505)	8.21 (505)	8. 36 (505)
1945	2.45 (503)	4.03 (605)	4.43 (521)	6.24 (154)	7. 65 (154)
1946	2.89 (651)	3. 92 (403)	5. 30 (403)	6. 53 (505)	,
1947	2.41 (101)	5. 82 (538)	5. 82 (538)	5. 82 (538)	
1948	2.70 (283)	4. 00 (15)	4. 41 (446)	5. 73 (191)	
1949	3.55 (679)	4. 57 (488)	5. 72 (254)	7. 67 (254)	
1950	2.60 (327)	3. 53 (69)	4. 63 (233A)	6. 23 (233A)	
1951 1952 1953 1954 1955	4.00 (210) 3.83 (575) 3.10 (691) 3.58 (154) 3.18 (704A)	4.80 (407) 4.85 (575) 4.65 (153) 4.29 (438) 3.72 (255)	4. 80 (407) 5. 70 (575) 4. 65 (153) 5. 52 (438) 4. 61 (154)	4. 93 (233A) 8. 87 (393)	7. 54 (115) 6. 90 (200C) 8. 87 (393)
1956 1957 1958 1959 1960	3.00 (381) 3.51 (385) 3.00 (135) 3.50 (506) 3.43 (711)	4.73 (682) 3.75 (738) 3.97 (522) 6.34 (506) 7.34 (711)	4. 73 (682) 4. 70 (268) 5. 49 (135) 6. 34 (506) 7. 45 (711)	, ,	
1961	2.58 (624)	3.50 (249)	,	5. 63 (286)	10. 19 (279A)
1962	3.52 (75)	4.54 (276B)		5. 30 (277)	7. 43 (191)
1963	3.45 (762C)	6.95 (382A)		7. 27 (581)	7. 57 (762A)
1964	2.44 (788)	3.50 (462)		6. 10 (280)	13. 10 (286)
1965	3.10 (228)	5.65 (169)		5. 65 (169)	11. 52 (190)
1966	3.80 (662)	5. 05 (662)	5. 75 (662)	5.78 (662)	8. 47 (283)
1967	3.33 (816)	4. 65 (111)	6. 40 (115)	6.40 (115)	12. 14 (135)
1968	5.50 (F1)	8. 80 (F1)	11. 13 (F1)	11.13 (F1)	11. 13 (F1)
1969	2.90 (813)	6. 17 (800)	6. 92 (800)	6.99 (800)	7. 05 (800)
1970	4.50 (B17)	7. 60 (286B)	9. 39 (286B)	9.80 (286B)	10. 89 (286)
1971	4.00 (43)	4.40 (43)	4.60 (624)	5.63 (361)	7. 08 (715A)
1972	3.50 (293)	5.35 (663A)	5.86 (663A)	6.40 (254)	10. 25 (733)
1973	3.40 (789)	5.66 (789)	5.90 (789)	7.50 (43)	9. 10 (286 & F1)

TENNESSEE RIVER BASIN PRECIPITATION DURING 1973

Precipitation in Inches

	Above	Below	Tennessee River Basin			Basin
	Chattanooga	Chattanooga		75-Yr	Deviation	n from Mean
Month	1973	1973	1973		Monthly	Cumulative
January	3.80	5.31	4.50	4.88	-0.38	-0.38
February	3.27	4.41	3.80	4.84	-1.04	-1.42
March	9.52	13.49	11.37	5.61	+5.76	+4.34
April	5.06	6.65	5.80	4.48	+1.32	+5.66
May	7.49	6.87	7.20	4.08	+3.12	+8.78
June	4.88	4.61	4.75	4.24	+0.51	+9.29
July	4.90	5.00	4.94	4.91	+0.03	+9.32
August	3.67	2.17	2.97	4.17	-1.20	+8.12
September	3.64	2.76	3.23	3.20	+0.03	+8.15
October	2.83	3.27	3.03	2.84	+0.19	+8.34
November	6.57	8.36	7.40	3.57	+3.83	+12.17
December	6.58	5,58	6.11	4.76	+1.35	+13.52
Total	62.21	68.48	65.10	51.58		

Mean precipitation figures are for the period 1890-1964.

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

Month	Long-Term Mean	Maximum of Amount	of Record Year	Minimum o Amount	f Record Year	Year 1973
	ELIZABET	CHTON, TEN	NESSEE (8	2 Years)		
January	3.41	8.13	1947	0.46	1896	2.23
February	3.41	7.59	1944	0.46	1968	1.68
March	4.17	10.72	1899	1.37	1937	7.21
April	3.44	6.05	1912	0.65	1942	4.32
May	3.98	7.73	1915	1.08	1941	6.61
June	4.54	16.38	1872	1.33	1946	3.93
July	5.15	10.56	1896	1.10	1872	4.64
August	4.27	12.14	1901	0.89	1896	4.35
September	2.93	7.61	1928	0.30	1903	3.51
October	2.59	7.61	1918	0.02	1904	2.88
November	2.45	5.02	1948	0.61	1931	4.68
December	3.33	9.87	1872	0.30	1965	3.51
Annual	43.67	58.91	1928	29.06	1941	49.55

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)

Precipitation in Inches

Month	Long-Term Mean	Maximum o	of Record Year	Minimum o Amount	f Record Year	<u>Year</u> 1973
	MURPHY,	NORTH CAL	ROLINA (9	9 Years)		
January	5.54	14.85	1882	1.75	1907	3.90
February	5.64	15.10	1873	0.56	1906	3.57
March	6.21	15.34	1917	1.62	1967	8.05
April	4.83	15.40	1874	0.30	1915	5.79
May	4.03	11.25	1929	0.46	1941	7.93
June	4.90	9.31	1884	0.94	1964	6.02
July	5.70	13.42	1950	0.89	1957	5.30
August	4.97	13.96	1920	0.95	1953	4.92
September	3.34	8.04	1962	0.20	1876	4.33
October	3.06	9.27	1949	0.00	1963	1.71
November	3.81	13.18	1948	0.51	1924	5.37
December	5.19	12.98	1932	0.48	1965	6.15
Annual	57.22	84.80	1875	40.00	1940	63.04
_		OOGA, TENN				
January	5.24	14.74	1882	1.13	1961	5.09
February	5.03	12.30	1939	0.62	1941	3.76
March	5. 92	14.05	1899	0.93	1910	13,80
April	4.66	15.29	1911	0.44	1942	5.17
May	3.86	12.00	1929	0.54	1941	6.37
June	3.99	9.40	1949	0.29	1931	4.58
July	4,71	13.49	1916	0.20	1957	6.93
August	3.74	12.36	1920	0.45	1929	2.58
September	3.19	12.19	1957	0.04	1919	5.38
October	3.00	11.91	1925	0.08	1938	3.69
November	3.61	13.59	1948	0.16	1890	5.87
December	5. 16	13.68	1961	0.44	1889	8.34
Annual	52.14	72.37	1929	32.68	1904	71.56
	LEWISBU	URG, TENNE	SSEE (80 Y	Years)		
January	5.13	17.05	1950	1.26	1943	4.55
February	5.04	13.14	1939	1.08	1941	3.67
March	5.93	15.94	1973	0.94	1910	15.94
April	4.61	12.60	1912	0.56	1915	5.67
May	4.23	12.01	1967	0.60	1941	8.12
June	3.93	13.46	1900	0.72	1899	4.37
July	4.63	9.85	1941	0.84	1954	5.24
August	3.90	11.40	1923	0.57	1909	1.46
September	3, 17	12.41	1957	0.32	1927	1.77
October	2.99	8.88	1919	T	1963	4.94
November	3.81	10.27	1948	0.46	1953	9.89
December	4.90	11.71	1922	0.77	1958	5.20
Annual	52.27	70.82	1973	37.42	1904	70.82

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)

Precipitation in Inches

Month	Long-Term Mean	Maximum o	f Record Year	Minimum of Amount	Record Year	<u>Year</u> 1973
	MUSCLE S	HOALS, ALA	ABAMA* (9	0 Years)		
January	5.08	13.09	1950	1.20	1961	5.77
February	5.00	13.64	1948	0.54	1941	4.35
March	5.82	16.15	1897	1.26	1910	13.91
April	4.64	16.07	1892	0.74	1930	5.04
May	4.00	11.29	1939	0.16	1941	3.74
June	4.00	13.87	1900	0.60	1897	7.43
July	4.54	14.60	1916	0.77	1935	4.15
August	3.73	10.60	1894	0.35	1948	2.92
September	3.03	7.87	1890	0.00	1897	1.54
October	2.66	11.05	1918	0.00+	1963	3.69
November	3.51	11.39	1948	0.16	1949	6.45
December	5.03	14.59	1926	0.83	1958	5.21
Annual	51.03	76.21	1932	30.92	1943	64.20

^{*}Before December 1940 this station was at Florence, Alabama.

JOHNSONVILLE STEAM PLANT, TENNESSEE* (90 Years)

_	= 00	00 =4	100-		1000	4 00
January	5.20	23.51	1937	0.44	1963	4.32
February	4.26	9.56	1939	0.73	1968	3.93
March	5.21	13.07	1927	0.59	1910	8.39
April	4.63	12.29	1892	0.53	1887	8.57
May	4.29	10.19	1909	0.48	1951	5.06
June	4.02	13.34	1928	0.37	1930	9.99
July	4.10	13.33	1972	0.06	1890	3.47
August	3.80	13.70	1914	0.34	1948	2.08
September	3.37	11.31	1921	0.00	1897	2. 30
October	2.76	11.44	1919	0.00	1963	1.27
November	4.12	11.90	1906	0.74	1949	8.73
December	4.59	14.66	1926	0.05	1889	2.69
Annual	50.35	76.17	1950	32.48	1960	60.80

^{*}Before August 1949 records collected at Johnsonville have been used.

⁺Also minimum for 1924.

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)

Precipitation in Inches

Month	Long-Term Mean	Maximum o Amount	f Record Year	Minimum of Amount	Record Year	<u>Year</u> 1973
	HENDERSONVI	LLE, NORTI	H CAROLI	NA (77 Years)		
January	4.54	12.40	1906	0.39	1907	5.46
February	4.64	10.73	1891	0.54	1930	5.54
March	5.40	11.67*	1952	0.96	1930	10.58
April	4.30	9.38	1920	0.43	1915	4.24
May	4.49	12.70	1942	0.95	1914	9.36
June	5,25	11.56	1934	0.96	1911	5.99
July	5.96	22.09	1916	1.72	1957	5.64
August	6.04	26.58	1901	0.49	1925	2.28
September	4.39	14.00	1906	0.22	1919	4.69
October	4.30	14.59	1918	0.01	1904	3.89
November	3.39	12.54	1948	0.21	1910	3.39
December	5.05	12.85	1918	0.23	1965	10.63
Annual	57.75	92.60	1901	32.55	1925	71,69

^{*}Also maximum for March 1891.

	KNOXVI	LLE, TENNE	SSEE (103	Years)		
January	4.64	16.98	1882	1.29	1907	3.29
February	4.66	12.52	1873	0.56	1898	2.81
March	5.13	13.35	1917	0.72	1910	9.99
April	4.22	17.32	1874	0.70	1942	4.32
May	3.77	8.81	1938	0.71	1941	8.47
June	4.17	11.83	1928	1.39	1936	3.86
July	4.59	13.16	1917	0.69	1901	3.77
August	3.84	11.33	1920	1.10	1953	1.93
September	2.87	10.78	1944	0.18	1961	3.60
October	2.62	9.51	1925	0.00	1963	3.65
November	3.40	11.69	1948	0.17	1890	7.91
December	4.43	12.34	1901	0.47	1965	8.18
Annual	44.50	73.87	1875	33.67	1930	61.78

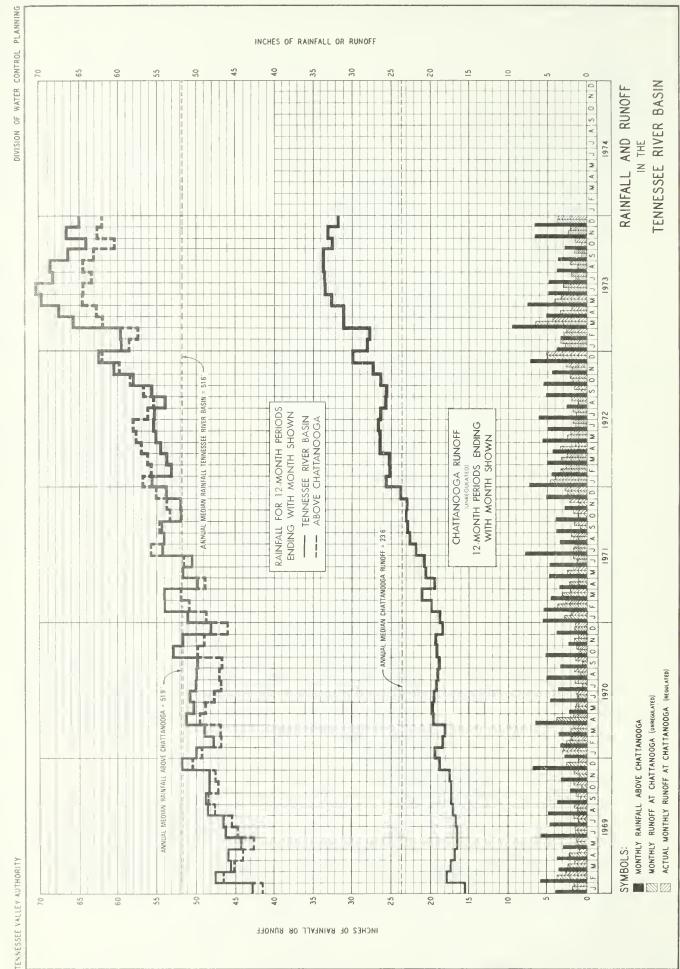
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AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1973 MONTHLY AND ANNUAL

Subdivision	Entire Tennessee River Basin	Area Above Chattanooga	Area Below Chattanooga	French Broad Above Newport	French Broad Above Douglas Dam	Holston Above Cherokee Dam	Holston and French Broad Above Knoxville	Little Tennessee Above McGhee	Little Tennessee Above Fontana Dam	Clinch Above Norris Dam	Hiwassee Above Charleston	Hiwassee Above Hiwassee Dam
	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average	1973 Average 35-Yr Average				
Jan.	4.50	3.80	5.31	4.42	3.76 4.24	2.23	3.22	4.96 5.96	5.30	2.25	4.68	4.74
Feb.	3.80	3.27	4.41	3.72	3.10	2.35	2.80	4.41 5.c7	06.4	2.66	3.93	4.26
Mar.	11.37	9.52	13.49	9.16	8.71	6.86	8.09	10.65	10.19	8.00	9.97	8.50
Apr.	5.80	5.06	42.4	5.11	4.93	4.22	4.72	6.30	6.36	4.32	5.95	6.22 5.24
May	7.20	3.85	4.07	7.74	6.94	6.15	6.72	8.04 4.19	8.88	7.05	8.52	9.49
Average Precipitation - Inches June June Aug.	4.75	4.88	4.61	4.43	4.41	3.59	4.09	5.40	5.29	4.79	5.76	5.99
July	76°7	4.90	5.00	4.20	3.99	4.70	4.21	5.97	5.99	4.37	6.15	5.53
Aug.	3.95	3.67	3.55	3.38	3.76	4.10	3.97	4.45	4.26	3.66	3.99	4.89
Sept.	3.23	3.64	3.15	3.23	3.08	2.78	2.94 3.19	3.51	3.36	3.27	5.00	4.34
Oct.	3.03	2 2 8 8 8 2	3.27	2.49	2.43 3.10	3.62	2.93	3.29	1.95	3.89	3.08	1.65
Nov.	7.40	3.66	8.36	3.42	4.84	5.03	5.16	4.29	6.09	8.13	6.50	6.22
Dec	6.11	6.58	5.58	3.86	3.74	3.44	5.67	7.78	8.54	5.92 3.91	7.13	7.27
Annual	65.10	62.21 51.03	68.48	59.94 51.79	th.64	50.42	54.52	69.50	69.92	58.31 46.69	69.51	69.10

Note: 35-Year Averages Based on 1935-1969 Averages.



For Period 1874 - 1964.

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MONTHLY AND ANNUAL RAINFALL AND RUNOFF

TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21, 400 Square Miles

Annual		62.21 64.09 37.23 51.11			31.80 36.54 11.22 23.62			50,150 57,600 17,690 37,200
Dec.		6.58 9.98 0.54 4.55			3.73 5.11 0.41 1.93 1.68			69,200 594,800 57,700 135,800 331,200 3
Novo		6.57 10.30 0.44 3.28 3.13			2.35 3.77 0.30 1.10 0.84			45,100 72,400 5,800 21,100 16,100
Oct.		2.83 8.37 0.04 2.90 2.48			0.64 3.17 0.30 0.80 0.70			11,900 58,900 5,510 14,800 13,000
Sept.		3.64 7.69 0.77 3.26 3.21			0.72 2.69 0.21 0.84 0.69			13,800 51,500 3,990 16,100 13,200
Aug.	173	3.67 13.33 1.25 4.50		23	1.16 4.28 0.26 1.13 0.96		1874 - 1973	21,500 79,400 4,760 21,000 17,800
July	1890 - 1973	4.90 111.07 2.02 5.27 5.07		.874 - 1973 ed)	1,41 3,90 0,45 1,32 1,11		econd, 18 ed)	26,100 72,300 8,300 24,500 20,600
June	Inches	4.88 8.67 1.73 4.45 4.49		Inches, 187 (Unregulated)	2, 31 3, 75 0, 50 1, 42 1, 26		Cubic Feet Per Second, (Unregulated)	44,400 72,000 9,600 27,200 24,200
May	Rainfall in Inches,	7, 49 7, 95 0, 80 4, 04 3, 80		Runoff in Inches, 1874 (Unregulated)	4.02 5.28 0.61 1.99			74,700 98,000 11,300 36,900
Apr.	H	5.06 7.49 0.95 4.20 4.15			3.36 1.01 2.98 2.73		Runoff in	64,400 136,400 19,400 57,200 52,400
Mar.		9, 52 11, 40 1, 37 5, 38			6.44 9.62 1.30 3.81			119,600 178,500 24,100 70,700 60,900
Feb.		3,27 9,69 0,85 4,71	964.		2.92 7.45 0.62 3.27 3.11	964.		60,100 147,800 12,700 66,600
Jan.		3, 80 10, 32 1, 42 4, 57 4, 23	1 1890 - 1		2.74 9.42 0.50 3.03 2.76	1874 - 19		51,000 174,800 9,200 56,200 51,200
		1973 Maximum Minimum Mean ^a Median ^a	a. For Period 1890 - 1964.		1973 Maximum Minimum Mean ^b Median ^b	b. For Period 1874 - 1964.		1973 Maximum Minimum Mean Median ^b

RAINFALL AND RUNOFF DATA FOR SELECTED GAGED WATERSHEDS

Runoff in Rainfall		inches				54.6 32.2					57.7 31.8				61.3 28.8 46.1 26.1 46.3 32.3
,	· []	inches	+14.3	+18.5	+16.0	+16.2	+17.2	+13,5	+19.7	+14.3	+18.6	+5.1	+13,3	+13,3	+13.3 +5.1 +6.7
January 1 - December 31, 1973	Runoff	inches	32.1	38,8	38, 1 ⁰	38. 70	45.0	35° 3	55, 5	36.2	43,3	23.2	45.6	45.6 22.3	45.6 22.3 27.8
y 1 - Dece	Depar-	inches	+16.2	+19.0	+16.5	+16.9	+15.4	+15,7	+15.4	+14.9	+22.7	+6,5	+12,5	+12,5	+12.5+7.2+5.8
Januar	Rain- fall	inches	67.6	69.8	70.3	70.9	71.1	69, 1	80.7	67.2	75, 1	51,5	74.4	74° 4 48, 4	74.4 48.4 60.1
	Drainage Area	sq. mi.	205	2571	299	1784	320	428	177	117	764	1474	436	436 222	436 222 353
	Station		Bruceton	Hurricane Mills	Bishop	Prospect	Woodville	Chickamauga	Dial	Decatur	Oakdale	Tazewell	Needmore	Needmore Saltville	Needmore Saltville Sevierville
	Stream	CORDONIC MICHIGANIC MICHIGANIC	Big Sandy River	Duck River	Bear Creek	Elk River	Paint Rock River	South Chickamauga Creek	Toccoa River	Sewee Creek	Emory River	Clinch River	Little Tennessee River	Little Tennessee River North Fork Holston River	Little Tennessee River North Fork Holston River Little Pigeon River

Rainfall and runoff departures are referred to the 35-year period 1935-1969, except runoff departures for Paint Rock River, 1936-1969. å

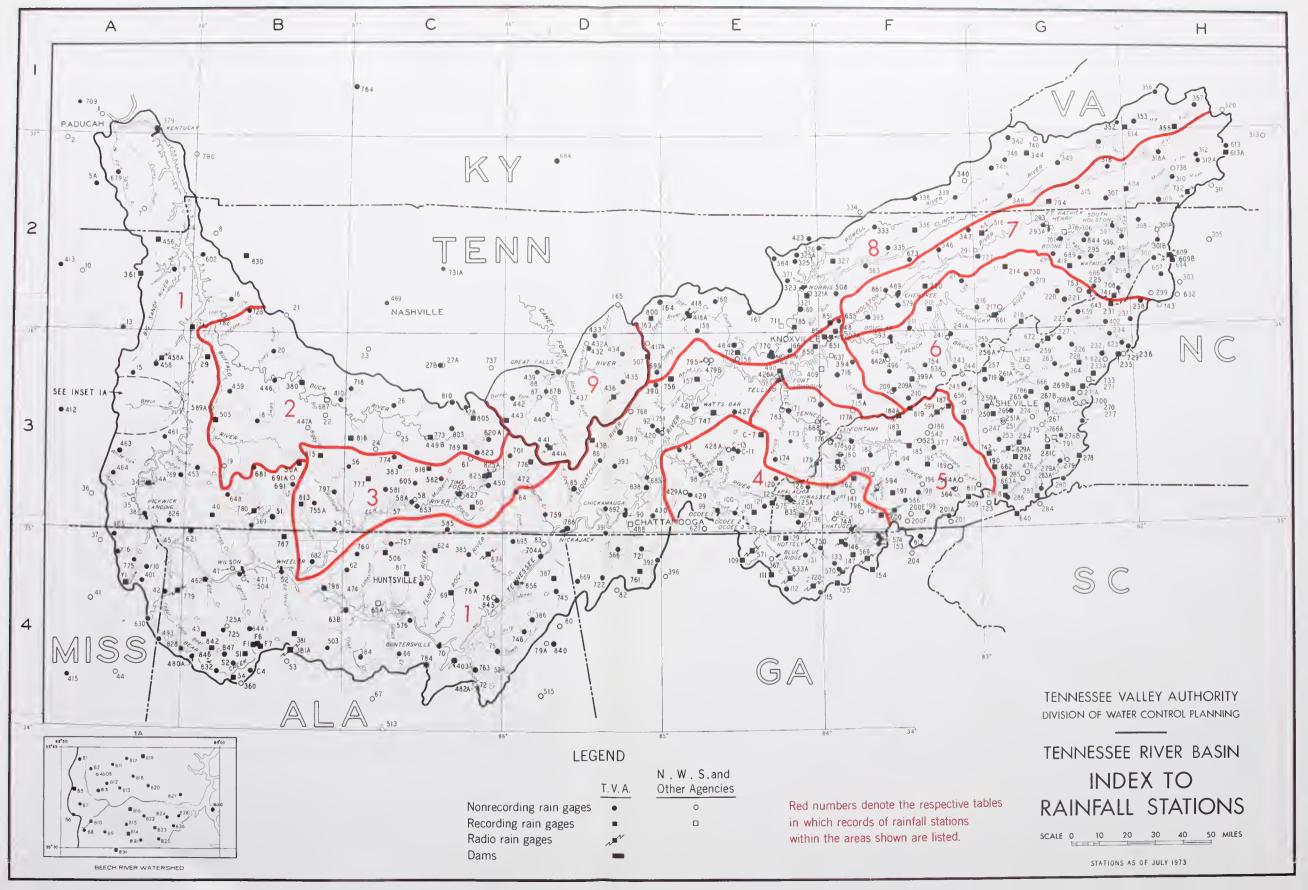
b. Partially regulated.

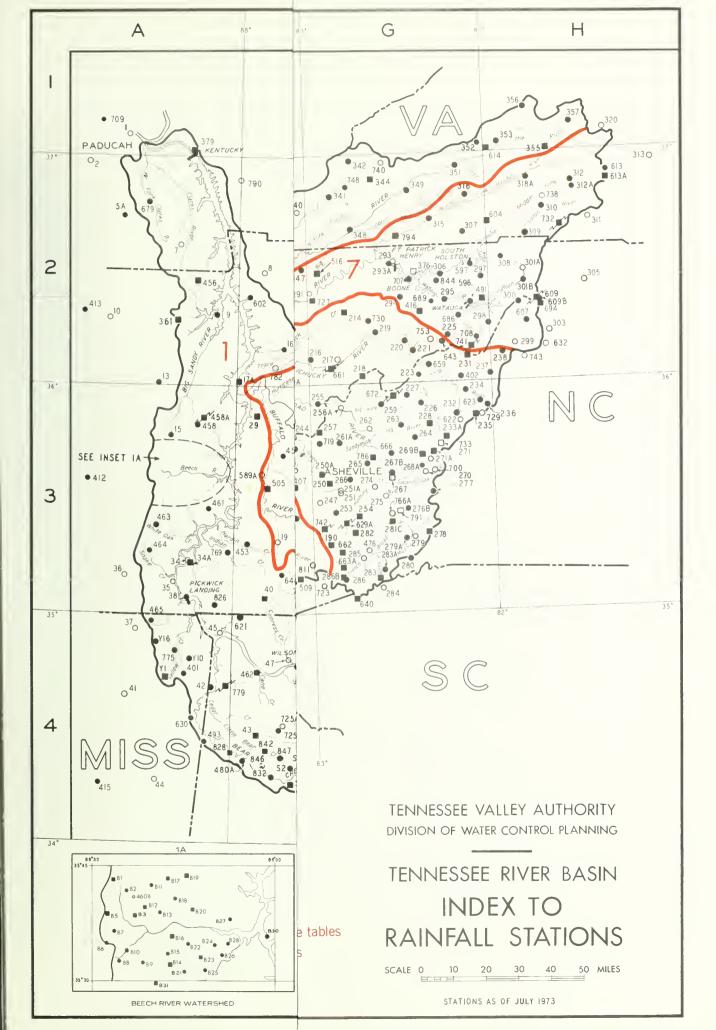
Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions." Runoff data are furnished by the U.S. Geological Survey and are tentative. Dec.

AUTHORITY	
VALLEY	
TENNESSEE	

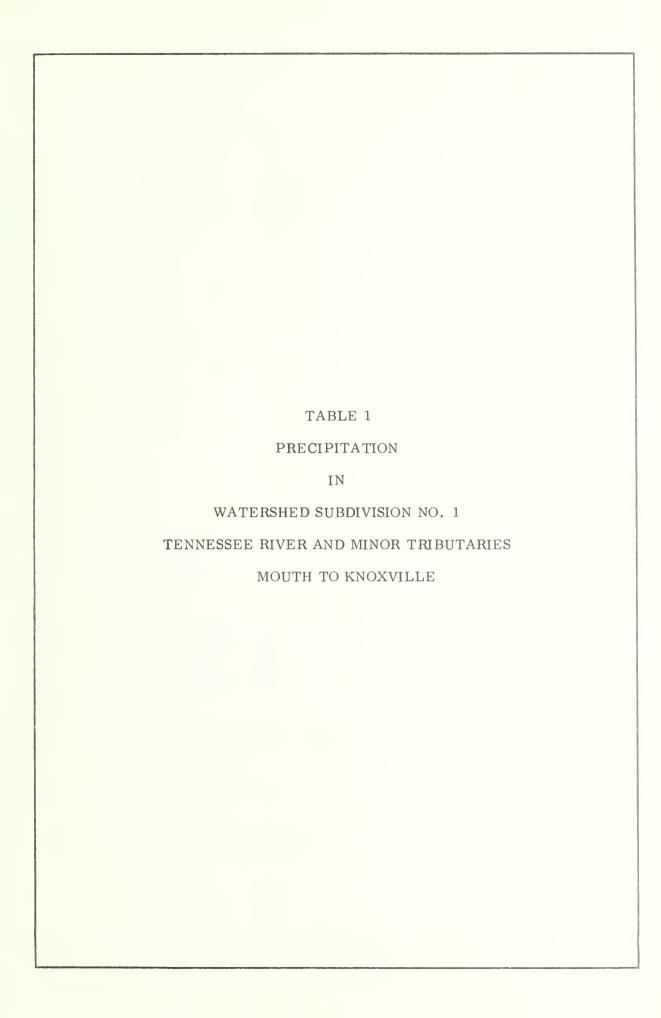
	Nov.	1.58 1.70 2.00 1.89°	5.37 7.14 9.16 4.59	49 51 50	52 51 52 52	88 83 80 80	0.67 1.11 1.65 1.67
	Oct.	2.55 2.98 2.81 2.63	1.71 2.49 4.52 3.78	56 57 57	64 66 61	87 79 82 81	0.00
	Sept.	3.71 4.13 4.42 4.00	4.33 1.80 2.70 2.37	68 723 69	76 76 76	91 88 89 89	0.26 0.64 0.82
	Aug.	4.90 5.14 5.99 4.73	4.92 5.10 2.17 6.82	71 73 74 71	81 81 81	8 8 8 8 9 7 8 9	0.24 0.61 0.81 0.81
	July	5.03 5.81 7.89 4.99	5.30 9.16 9.16	74 75 76 72 ⁵	88 88 8 40 80 90 90 90 90 90 90 90 90 90 90 90 90 90	88 88 88 88	0.22 0.75 0.85 0.95
73	June	5.36 5.30 6.24 4.37	6.02 2.75 2.60	70 74 70 70b	81 81 82 78 ^b	88 83 83 83 87 8	0.24 0.67 1.02 0.65
AR 19	May	5.00 5.90 5.81 5.81	7.93 6.21 6.36 9.43	60 62 62 60	68 70 64 66	81 74 77	0.62 1.09 1.52 1.56
VIA-YE	Apr.	3.26 3.58 3.96 3.96	5.32	55 56 57 58	58 58 61, 58 b	81 74 72	1.08
evaporation data—year 1973	Mar.	2.62 2.68 3.07	8.05 8.85 14.68	55 5 5	56 59	85 - 82	0.00
aporaī	Feb.	*					
EV.	Jan.	*					
		Murphy, North Carolina Jefferson City, Tennessee Pulaski, Tennessee Fletcher, North Carolina	Murphy, North Carolina Jefferson City, Tennessee Pulsaki, Tennessee Fletcher, North Carolina	Murphy, North Carolina Jefferson City, Tennessee Pulski, Tennessee Fletcher, North Carolina	Murphy, North Carolina Jefferson City, Tennessee Pulaski, Tennessee Fletcher, North Carolina	Murphy, North Carolina Jefferson City, Tennessee Pulaski, Tennessee Fletcher, North Carolina	Murphy, North Carolina Jefferson City, Tennessee Pulaski, Tennessee Fletcher, North Carolina
		Evaporation (Inches)	Precipitation (Inches)	Average Air Temperature (Degrees F)	Average Water Temperature (Degrees F)	Average Relative Humidity (Percent)	Average Wind Velocity (Miles Per Hour)

 $^{{\}bf a}$ = Partial record b = Partly estimated * = Discontinued for winter season - January, February, and December





Figures in the "mean or normal" column in the following tabulation are determined as follows: For the National Weather Service stations, the figures are normals based on the 30-year period 1931-1960, computed by the Weather Service. For TVA and other agency stations with 21 or more years of record through 1969, the figures are long-term means adjusted to the 35-year period 1935-1969. For stations with 5 to 20 years of record in 1969, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.





of	3												-																	_
Depth of		3.7			0°2 1°5 2°0		5.0		5.3	0 0 0 0		3.5	3.5 1.0	1.0										0.1		0 * *	0.0	2.0		
0 4 6 7	Nor'i				47.62									52.60 52.15 48.93		53.14 51.02 53.95		54.58	53,37			57.86 56.75 57.98		51.36 56.14 52.45			55.3 E		54.40	
>	Total	55.41	65.91	59.05	71.86 50.41 58.54	54.60	58.16 # 63.27 64.11	65.96 59.73	60.80 72.41 59.99	59.74 69.37 # 72.25	78.90 A 74.74 62.20	78.28	73.89	76.48 75.06 # 55.83	77.71	70.35	71.14 69.77	69.40 # 70.11 71.84	70.35 8 70.77 69.99	64.01 67.35 76.57	79.58	79.75	67.02 70.93 68.19	75.34	71.25	# 59.40 65.09 # 63.25	83.78 72.70	67.59 69.79 # 63.84	67-15 59-67 69-11	
0,00	Nor '1	3.59	4.01	4.01	4.35	5.31 4.80	4.52	4.58 4.74 5.08	4.37	4.25 4.94 5.04	5.89	6.48 5.03 4.82	7° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8°	4.94	5.76 5.24 5.99	5.13	5.47	5.98	5.42	0.85	7.32	5.88	0.64 6.57	5.36	5.05	5.48	5.24	5.81	6.09	
3000	Total Nor'I	5.22	3.31	90.9	3.59	3.54	3.52	2.14	2.09	2.29	4.50	3.99	4.00	5.17 4.47 3.21	5.63	4.57	0404	5.21 4.31 5.06	5.09	5.20	0.31 0.95 0.62	7.87	7.50	5.10 4.64 5.11	5.21 5.21 5.73	5.00 3.01	4.81 6.06 5.83	5.67	4.29	
OJOM	NOVEMBER Total Nor'I	3.96	3. 7.8	3.00	4.00	5.00	4.26	4,43	4 - 24	3.87	4.499	5.76	4.47	4.50	4.59	4.63	3.69	3.95	4.54	4.18	4.34 4.04 3.81	4.32	3.83	4.14 4.53 3.70	3.60	3.98	4.57	4.13	3.94	
NOM	Total	9.79	10.50	10.27	9.90	8.39	8.54 7.87 9.78	10.33	8.73 8.90 6.86	9.88 10.12 9.56	13.64	12.56	10.76 12.73 9.48	13.39 11.94 10.50	11.31	9.21 8.78 10.57	7.60	6.45 6.85 8.13	8.43 8.79 7.13	6.50 8.56 8.55	9,000 10,31 9,30	8.75 9.47 8.98	9.27	9.22 9.62 7.71	7.83	6.50 7.29 10.55	12.94 9.20 10.57	9.35 10.29 8.65	8.72 5.71 9.33	
0710010	OC LUBER Total Nor'I	2.56	3.13		2.58	3.62	2.48	2.65	2.24		3.00 2.73 2.46	4.53 2.71 2.47	2.58 2.76 2.88	2.70	2.25	2.35		3.08	2.22		3.93 3.18 2.89		3.88	2.94	2.28	2.67	2.77 2.81 2.75	3.10 2.57 2.30	2.91	
LJO	Total	1.80	2.29	3 . 60 3	4.20 3.44 2.76	2.14 2.73 1.69	1.76	2.53	3.28	3.28	3.60 A 3.60	2.50	3.26	3.33 3.33 2.21	3.66	3.56	3.17	3.20	3.01	2.34	2.47	1.92 2.09 3.37	3.35	3.5%	3.72	4.000	3.89	3.88 3.17 2.51	3.62	
OHOLO	Total Mor'l								3.40	2.68	3.02	4.22 3.12 2.81	3.03	2.96 3.16 2.75	3.30 3.13 3.31	2.85 3.21 3.25	3.03 2.94 2.75	3.52	3,37		2.86 3.19 3.78	3.63		3.00	2.91 2.89 2.85	2.91	2.93 3.05 2.84	3.22 3.01 3.52	3.45	
Long		1 0 1 0 1 9	3.30	3.69	1.47	1.56	3.34	1.56 1.81 2.22	2.30 3.51 2.70	2.05	3.47	2.18 2.18 1.57	3.40	1.34 0.73 2.03	0.6C 1.57 2.14	2.79 0.74 0.80	2.30 2.18 3.07	4.77	3.97	1.77	2.93	4.14 2.79 3.01	1.56 2.39 2.08	2.52 2.52 2.19	3.14 1.54 2.15	2.80 2.10 2.33	1.97 2.69 0.93	1.62	1.89	
Tallous	AUGUSI Total Nor'l	3.32					3.46			3 3.62	4.01 2.98	3.05	3.28	3.45	3 3.16 3.61 3 3.25	3.26	2 3.53	3.97	3.24		2 3.35 9 4.45 8 4.30			3.72 4.34 5.3.92	3.32		3.69	3.50		
4		0 = 0	1 1	5 - 1	2.61	2.0	1.55	0.00 0.00 0.00 0.00	2.0	2.49 1.888 1.19	1.94	2.36	3.38	4.25 3.68 1.83	3.18 1.91 2.03	2.31 1.10 2.36	2,32	2.67 1.80 3.64	1.82		2.62 3.79 2.08	4.95 2.59 2.22		1.10		2.10 0.90 0.53	3.75	2.31	0.53	
>	JULY Total Nor'l	3.46			8 3.93 7 4.45 9 4.19				7 3.85 5 3.71 3 3.53	9 3.68 4 3.54 5 3.54	5 4.64 5 3.92	3.95		3.95 9 3.95 9 3.45	3.79	8 4.14 6 4.31 0 4.06	3 4.06	5 4.44	3 3.79		8 4.58 9 4.35 5 4.59			3.70		4.17 4.57 2.4.19	4.32			
		2 - 7 4			3.17		3.91	2.76 2.11 2.84		3.09	4.55 5.74 3.15	5.04	3.78	4.50 2.08 3.19	3.77	4.08 5.86 4.90	2.60	4.25 3.89 5.23	4.61 4.93 4.29		4.68 2.69 4.55	4,35	3.75	6.99		3.90 5.80 5.22	6.27 4.84 4.11	5.19 4.56 4.19	5.06	
TIME	JUNE Total Nor"1								9 3.59 4 3.65 0 3.22		1	1 3.43 2 4.22 0 3.87		1 3.40 2 3.77 3 3.51	2 3.72 3 3.22 0 3.45			4 3.58	8 1 3.00 0 3.18	9 2.45	6 2.49 1 3.97 1 2.76		6 4.02 7 3.32 8 3.26							
1		3.45			3.79	5.79	4.47	7.57	5.44		3.92	3.50	2.617	1.81 4.72 3.53	4.32 2.63 5.30	2.67	\$ 5.00 5.10 5.71	6.64	4.88 4.11 3.90		2.96	5.56 8.49 3.13	2.46	5.93 4.36 6.81		2.30	3.48	3.06	5 8 8 2 5 6 8 8 2 5 6 8 8 2	
NAV.	Total Nor'l	4.40								50 4.02 54 3.82	4.05 0 4.05 0 3.93	3.80 3.80 3.98 4.3.98		19 4.01 3 4.02 17 3.66	6 4.95 5 4.10 2 4.84		10 3.85 0 4.33 3 3.87	0 4.09 11 4.18	0 4.27	3 5.32	6 5.14 15 5.26 18 5.09		5 5.27		3.70 3.70 3.49	0 4-12	0 4.53 0 4.08 5 4.15	7 4.00	5.26	
							*	5.57		5.20 0.95 0.95	8 5.00		2 11.37 1 8.22 9 8.95		0.46	10		4.69			5.885 5.885		5.59	5.86	-	4.10	5.86 7.10 7.25	5.57	4.07	
11004	APKIL Total Nor'l	111 4,26							8.57 4.27 11.24 4.81 9.80 4.35	96 4°31 44 5°10 34 5°04	7.95 5.65 6.14 5.08 9.00 4.94	73 6-37 86 4-57 02 4-89	9.16 5.0 6.73 5.0 7.10 4.5	7.31 5.24 8.23 4.72 3.78 4.78	7.36 5.63 7.12 5.13 6.87 5.31	13 5.02 49 4.99 83 4.87			4.95 7.85 8.03 5.27	4.74 6.40 4.89 5.68	4.71 7.22 5.51 0.46 4.95 6.29		5.02 6.27 5.67 6.00 5.39 5.95		6.31 4.65 5.04 4.41 5.12 4.54	5.70 4.73 5.30 4.88 4.32 5.00	8.54 5.21 5.27 5.02 6.00 4.51			
	,																									te .				
I COVA	MARCH Total Nor's	38 4.85			8.20 5.30 6.50 4.60 8.33 5.25	8.44 4.05 3.54 5.74 0.34 5.82	8.64 5. 7.87 5.	8.36 5.61 11.18 5.67 10.00 5.90	8.39 5.50 9.60 5.89 7.60 4.60	8.47 5.38 11.74 5.64 12.68 5.66	13.94 6.10 19.94 5.69 8.85 5.13	20.93 7.08 13.79 5.52 14.42 5.29	11.37 5.51 15.91 5.51 12.01 5.34	16.50 5.68 17.88 5.35 11.02 5.05	19.24 0.71 10.91 5.67 18.42 0.94	16.49 5.96 14.86 6.45 15.92 5.90	17.30 6.71 16.45 6.36 16.35 6.12	.0¢ 0.17	16.16 18.32 6.25 17.78 6.35	10.44 7.36 16.39 14.97	16.59 8.33 17.81 7.36 #16.34 7.06	16.11 6.30 17.44 7.09 16.43 7.01	16.53 7.31 16.80 7.01 15.94 6.96	5.98 20.90 6.27 16.86 6.29	14.85 5.84 13.91 5.57 14.16 5.61	13.70 6.19 15.70 5.99 15.65 5.85	18.69 6.21 17.31 6.21 17.45 5.88	17.09 6.37 16.71 5.58 16.11 5.25	14.58 b.32 15.07 5.78 15.69 5.48	
		3.76 6			4.09 8 4.20 8	48 87 13	4.35 8 4.39 7	87 8 75 11 96 10	54 8 87 9 39 7	5.44 12	4.58 13 5.78 19 4.74 8	5.19 20 5.19 14	5,36 11 5,54 15 5,42 12	5.54 16 5.38 17 5.24 11	4.77 19 5.62 10 4.00 18	6.04 10 4.44 14 5.70 15	5.85 16 5.81 16	5.42 15.06 5.31 #16.66 15.92	5.97 18 5.83 17	4.03 10 16 14	5.07 16 4.70 17 4.52 #16	5.91 16 4.44 17 4.56 16	4.91 16 4.74 16 4.69 15	5.50 6.02 5.69 16	5.71 14 5.28 13 5.03 14	5.78 13 4.52 15 5.88 15	5.96 18 5.96 17	5.04 17 5.64 16 5.37 16	4.76 14 5.70 15 5.46 15	
CCBDIIADV	FEBRUART Total Nor'l				3.58 4.2.98 4.3	3.22 4.	3.49 4.	5.18 4. 4.31 4.	3.93 4.	3.93 5. 3.90 5.	4.95 5. 4.95 5.	4.26 5.4.4.36 5.4.36 5.4.36 5.4.36 5.4.36	3.95 5. 4.77 5. 3.95 5.	5.18 5. 5.31 5. 4.49 5.	4.92 4. 5.43 5.	4.59 6. 4.10 4.	4.40 4. 4.81 5.		5.23 3.72 5.44 5.	4.98 4. 5.52 5.27	4.96 4.	5.07 5.05 5.02 4.	5.16 4. 5.75 4. 5.23 4.	5.43 5. 5.22 6. 4.52 5.		3.90 5. 4.60 4. 3.62 5.	5.47 5. 4.88 5.	3.42 5.	5.58 4. 4.98 5.	
					3.74	3.85			5.62	•	5.07	5.11	5.44	6.11 6.23 5.71	5.58	5.65	5.90		5.87	4.93	5.33 5.21 5.05	6.27 5.18 5.26	5.53	5.72 6.25 4.88		5.45	5.81	5.32	5.57	
VOALITADI	JANUAKY Total Nor'l				5.77 5 4.23 3 5.26 5	7.05 5	5.18 5		4.32 5 5.44 5 4.90 3	5.2C 5 6.24 5 4.70 5	5.57 5	5.40 6.35 5	5.51 5 5.84 5 6.05 6	5.93 6	7-26 4 6-52 5 6-29 4	6.09		6.33 5.6.18	7.72 5.76 5.44 5.44	5.27 4.	7.32 5 7.16 5 7.09 5		7.16 5	6.68 5 6.75 6 5.25 4		5,30 5,30 5,3,00 5,3,00 5,5,00	5.61 5	5.19 4.67 6.16 5.	5.27 4	
	Yrs. of Record	23	0 0	90	48 21 76	6 34	37	58	34 25		13	9 6 2 9 2 9		3.00 A 9.00 A	15 36 15	35	113 39 39		31 #	0 4 7	911					3 7 9	26 46 25	*		
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		2		1 4 M																		-								
	Index Owner	A-1 NMS A-1 TVA		A-2 TV2	A-2 NWS A-2 NWS B-2 NWS	8-2 TVA 8-2 TVA A-2 TVA	A-2 TVA A-2 TVA A-2 TVA	A-3 TVA B-2 TVA B-2 NHS	8-2 TVA A-3 TVA A-3 TVA	8-3 TVA 8-3 TVA	8-3 TVA 8-3 TVA A-3 TVA	A-3 TVA A-3 NES A-3 TVA	A+3 TVA A-3 US01 A-3 NMS	A-4 TVA A-4 NWS A-3 TVA	A-4 TVA A-4 TVA A-4 TVA	A-4 TVA A-4 TVA A-4 NWS	A-4 TVA A-4 TVA B-4 TVA	8-4 TVB 8-4 TVB	8-4 TVA A-4 TVA A-4 TVA	8-4 TVA 8-4 TVA 8-4 TVA	8-4 TVA 8-4 TVA 8-4 TVA		8-4 TVA 8-4 TVA 8-4 TVA	A-4 TVA 8-4 TVA 8-4 TVA		8-3 TVA 8-3 TVA	6-3 TVA 6-3 TVA		8-4 TVA 8-4 TVA 8-4 TVA	
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	Station Name and Location	RIVER HO EAM PLAN	LLE X	USSTA	0	STEAM P TOMER,N		91	LE STEAM	NG R NESSEE NCTION		1111	EAR	ANDING C.		OK.	RADIO	LE, ALABA LE, NEAR ILL CHUR	E "NEAR " A	DAM R R EAR	BRIDGE, N CHURCH, A	R OSSROAOS	CEMETERY 10N XF-1 10N XF-2	RE, NEAR	ALS XX	,RA010		× S	ALA R	
		TENNESSEE RIVER MOUTH TO PADUCAH SHAMNEE STEAM PLANT	EVELACEVE NTUCKY D	MICKSVILLE MAYFIELD SUBSTA	MURRAY X GOLDEN POND OOVER	CUMBERLAND STEAM PLANT ODVER FIRE TOMER, NEAR BUCHANAN R	SPRINGVILLE PARIS R HUNTINGOON	WILDERSVILLE ERIN, NEAR WAVERLY	JOHNSONVILLE STEAM PLANT CAVVIA CAVVIA, RADIO	CUBA LANDING R OUNDAR + TENNESSEE CLIFTCN JUNCTION	DLIVEHILL VICTORY R ENVILLE	PCLLAROS MILL SAVANNAH X SAVANNAH R	LEAPWOOD, NEAR SHILDH SELMER	ACTON, NEAR CORINTH X PICKMICK LANGING D	GLENS BURNSVILLE JURA	MIDWAY CAIRO,NEAR R BOONEVILLE	BONE CAVE, RADIO BISHOP BELGREEN R	PUSSELLVILLE, ALABAMA RUSSELLVILLE, NEAR PLEASANT HILL CHURCH, NEAR	SPRUCE PINE, NEAR, ALA, BELMONT, NEAR	BEAR CREEK DAM R MCOGES,NEAR NIX MILL.NEAR	MACALEBURG BATESTOWN BRIOGE, NEAR OLD UNION CHURCH, AT R	HALEYVILLE PEBBLE, NEAR CARROLL CROSSROAOS, NEAR	KIMBROUGH CEMETERY, NEAR ABCVE STATION XF-1 R ABOVE STATION XF-2 R	MATERLCO X YOUNGS STORE, NEAR CCLBERT STEAM PLANT	FLORENCE X MUSCLE SHOALS XX WILSON OAM	IRON CITY WEST POINT, RAGIO COLLINWOOD	DVILLA LORETTO LAWRENCEBURG	LAMRENCEBURG ETHRIGGE R NEWBURG	LEXINGTON. ALA MHEELER DAM MCULTON R	
	Sta. No.	1 PA 107		54 HA	790 800 00 8	830 CU 602 00 456 BU	9 SP 361 PA 13 HU	15 H1 16 ER 782 WA	17A JO 458 CA 458A CA	29 CU 461 0U 453 CL		826 PC 34 SA 34A SA	36 SE 36 SE	465 AC 37 CO 38 PI	775 8U 775 8U 710 1U	401 M1 Y1 CA 41 80	779 80 42 81 43 8E	725 RU 7254 RU 842 PL	647 SP 630 BE 493 RE	928 8E 480A HC 846 N1	832 HA 52 BA 54 OL		F1 K1 F6 A8 F7 A8	45 WA 621 YO 462 CC	47 FL 504 HU 471 HI	369 1R 780 WE 648 CO	681 DV 51 LO 651 LA	691A LA 50A ET 644 NE		

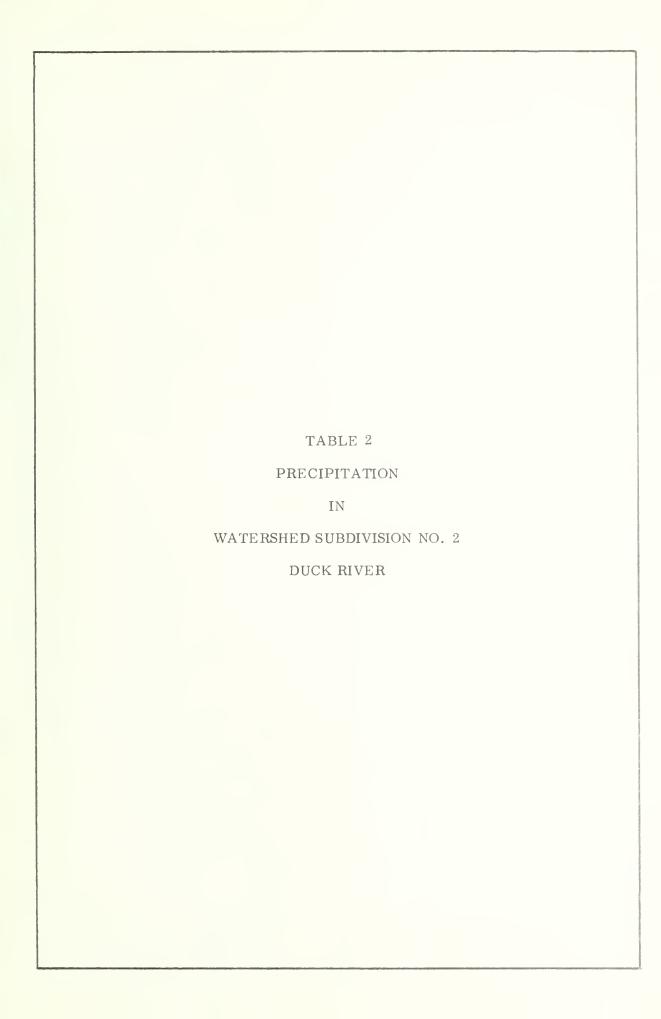
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Sta	s Station Name			Yrs. of	JANUARY		FEBRUARY	MARCH	CH	APRIL		MAY			JULY	AUGUST		SEPTEMBER	OCTOBER		NOVEMBER		DECEMBER	YEAR		Depth of Snow	22
2	TENNICOSE	Index Owner	Elev Elev	Record	Total Nor i		Total Nor'l	Total Nor	Nor't	Total Nor't		Total Nor'l	Total Nor'l		Total Nor'!	Total Nor'l	'ı Total	I Nor I	Total No	Nor'i To	Total Nor'l	'1 Total	I Nor I	Total	Nor's	(Inches)	
1000	0	R-4 USFS C-4 TVA 8-4 TVA	990	39	6.90 5.5 5.34 5.4.4	W & W		18.25	50.00				6.63					3.27	3.81 2	9 5 3 4	.33 4°.C .29 3.8	26 7.66 82 6.7 32 6.11	5.36	79.64	52.46		
403		C-4 C-4 TVA 8-4 TVA	712 575 620	33 33	5.56 5.97 5.79 5.72 5.97 5.29		5.56 5.62 5.64 5.33 5.54 5.34	18.51	6.17 5.51 5.60		4.70 5.4 4.50 5.4	5.93 3.94 5.43 3.57 7.20 3.65	3.79	3.61 5.69 3.07 8.41 3.41 3.88	4.47	2.06 3.67 1.65 3.36 2.60 3.67	7 5.60 4 1.98 7 1.92		2.89 2	62 8	7.44 4.0 6.79 4.0	17 7.58 08 7.29 02 7.32	5 4,95 4,85 4,82	77.52	53.49 49.42		
474 658	FAIRVILLE BELLE MINA, NEAR X A MINTSVILLE AP R KX	C-4 TVA C-4 AU C-4 AU	645	35 44 29	5.21 5.3 6.33 5.3	2 6 6 5	4.59 5.75 4.57 5.32 4.84 5.22	12.15	5.65	5.63 4. 3.98 4.	4.33 6. 4.48 5. 3.99 4.		7.69 2.78 2.24	3.70 4.69 3.31 8.31 3.37 9.44		4.20 3.71 2.08 3.41 0.53 3.29		3.63		2.29 4	6.61 3.5 8.59 4.0 6.79 3.6	57 7.23 02 7.94 55 8.44		68.46	51,23 50,50 48,67	0 ° 3	
917		C-4 TVA C-4 TVA C-4 NWS	715	38	5.62 5.69 6.79 6.15 8.38 5.81		\$.55 \$.36 5.08 \$.24 5.50 \$.81	14.86 11.01 12.95	5.93 6.42 6.06	4.16 4. 6.62 5. 6.25 4.	.92 4.90 .31 8.42 .43 10.44		2+79 2+98 6-23								7.14 4.C1 4.26 4.57 3.49 4.29	57 8.30 29 11.44	7.51 5.20 5.18	64.93	56.64 58.86 54.08		
576 739 530	FARLEY REOSTONE 4RSENAL XX PCATE SAND NO. 6		578 573 1600	333	6.81 5.44 7.11 5.05 5.56 6.40		3.17 5.71 4.83 5.02 4.18 6.01	11.86	5.68 5.19 6.41		4.65 5.24 5.24 5.24		2.55 4.07 4.29	3.37 1.95 3.55 4.83 4.53 6.27		0.73 2.58 1.19 3.00 1.66 3.46	8 1.55 0 1.16 6 0.56	5 4.07	1.64 2	2.22 %				53.94	51.09		
506 757 624			830 868 760	33	5.19 5.80 5.55 4.72 4.90 5.90		4.97 5.31 4.85 4.97 4.06 5.46	16.07 16.25 #14.30	5.47			6.13 3.63 6.59 4.63 5.93 4.23	3.44 2.80 5.21	3.07 5.81 3.84 5.48 3.67 3.28	4.53	1.36 2.61 1.43 3.22 1.73 2.83	1 6.49 2 6.41 3 1.15		2.69 2 2.83 3	2-11 8 3-21 8 2-18 7	8.54 4.09 7.31 4.39	7.90 09 7.82 39 7.34	5.06	A 73.93 A 64.42	49.09 55.80 52.98		
585 69 385	ELCRA PAINT ROCK R SwAlw	C-3 TVA C-4 TVA C-4 TVA	925 630 665	32 38 35	4.63 5.61 5.90 5.84 6.70 6.10		4.78 5.46 5.10 5.94 6.06 6.47	14.65	5.58 6.07 6.37		5.00 8.00 5.00 5.00 5.00 5.00 5.00 5.00	8-67 4-04 5-67 3-74 5-81 4-68	3.64	4.04 5.38 4.01 4.44 4.11 5.06		2.76 3.4 0.66 4.0 1.33 3.56	2°48 8 1°95 8 3°23		5.27 2 2.34 2 3.75 2	2.42 7				73,32 61.75	52.71 54.85 57.56		
78A 674 784	A LETCHER HYTCP*RACIO ARAB	C-4 TVA C-4 TVA C-4 TVA	1570 1785 1062	39 26 12	5.92 6.22 5.00 5.15 7.55 5.79		4.75 6.48 4.70 5.72 4.93 4.84	14.63 16.40 12.45	6.59		5.43 6. 5.02 5.	6.56 4.63 5.10 4.39 8.07 4.85	4.95 6.30 4.42	.99 5.85 .42 3.18		1.22 3.55 2.50 3.13 2.11 3.83		3 3.84			5.80 4.7 5.70 4.5 3.82 3.5	79 8.83 52 8.70 53 7.74		69.19 71.60 67.08	60.07 55.95 57.21		
7C 403A 763	GUNTERSVILLE OAM A GUNTERSVILLE R HUSTLEVILLE	C-4 C-4 TVA C-4 TVA	611 622 995	38 35 14	7+01 5-36 5-33 5-52 7-09 5-89		8.05 5.37 3.63 5.33 4.03 4.89	19.20	5.82		4.71 6. 4.81 7. 6.39 7.	6.55 3.39 7.95 3.52 7.99 4.62	2.95 3.27 5.75	3.25 3.60 3.52 2.39 3.81 3.06	4.92	1.80 3.55 3.04 3.47 2.37 3.38	5 1.95 7 3.27 8 3.89			2.39 3 2.37 3 2.99 4	3.75 3.8 3.52 3.9 4.34 4.0	81 8.77 30 6.30 09 6.30	4.47 4.73 5.97	76.53	49.45 50.35 58.45		
72 482A 524	ALBENTVELLE X A BOAZ SANO WT STATE FARM X		1000	386	5.65 5.66 6.89 5.28 7.00 5.56		2.45 5.65 3.04 5.40 3.31 5.54	9.77 10.29 10.08	6.12 6.11 6.47	6.53 4. 8.05 4. 7.57 5.	4.50 9.42 4.96 10.70 5.06 9.24		4.59 5.23 6.84				1 3.18 7 3.17 9 1.74	i		2.91 3 2.21 4 2.55 5	3.77 4.06 4.11 4.16 5.69 4.16			63.34	\$3.21 \$2.90 54.75	0.3	
\$15 75 79A	LEESBURG SOUTH HILL A FT PAYNE	0-4 C-4 TVA NES	636 1135 920	38	7.15 5.88 6.02 5.81 5.51 5.60		2.41 5.74 3.97 5.46 3.45 5.36	11.00	6.45		5.62 6.65 5.29 9.98 5.03 8.97	65 3.68 98 4.24 97 3.76	6.43 5.20 3.99	3.66 2.20 4.02 2.90 3.90 5.10	5.08	3.80 3.50 1.58 3.62 3.44 3.68	0 3.67 2 3.71 8 2.28	7 3.52 1 3.35 8 3.66	1.1C 2 2.77 2 2.14 2	2.68 3	3.76 3.9 6.72 3.8	77 7.58 36 6.56 88 6.16	5.26	65.23 8 63.62 65.94	54.96 54.57 52.93	2.0	
840	PLEASANT VIEW VALLEY MEAD RAINSVILLE		1525 1010 1320	87 18	6.81 6.13 5.82 5.40		4.20 3.36 5.58 3.67 5.17	14.35 12.23 11.02	5.70	1	11.03 5.21 1.03 5.21 8.18	į	4.25 3.61 5.28	3.82 2.64 3.91 3.66	\$ \$ 500			3 3.10		2.95 7 2.93 5				73.32 65.69 60.53	52.19	1.5	
386 76 845	SYLVANIA SCOTTS@CRU SCCTTSBORO WRDS		1405	35	6.26 5.62 6.14 5.93 5.62		3.92 5.95 4.55 5.93 4.55	11.90	61.9		4.83 7.4		8.83 7.55 8.90								5.66 4.24 4.63 4.12 4.88		5.11	63.53	53.63		
856 695 387	BELLEFCNTE R PLEASANT GROVE SCHOOL FLAT ROCK R	0-4 TVA 0-4 TVA D-4 TVA	615 640 1390	2 2 3 5 3 5	5.38 # 5.94 5.23 4.77 5.08		4.47 4.48 5.39 3.79 5.61	11.88 14.83 10.73	5.65				6.22 9.78 5.25			3.00 6.26 2.99 1.06 3.16	2.41 6.18 6.18		2.51 1.70 2.26 2	2.45 5	5.79 3.8 5.82 3.8	6.27 9.71 88 4.69		63.85 & 79.96 56.37	50.16		
745 704A 83	10EA A WIOGEPORT X STEAM PLANT	0-4 0-4 TVA 0-4 NMS	1540 625 690	16 24 77	5.14 5.59 5.18 5.69 7.52 5.85		4.17 6.C7 4.32 5.45 4.13 5.63	12,98 15,90 16,22	6.62 6.48 5.83		5.50 8.5 5.23 7.0	8.21 4.26 7.40 4.06 6.26 3.71	5.58 5.63 9.01	4.63 5.21 3.52 2.19 3.57 3.90	5.36	1.10 3.02 1.26 2.82 3.41		9 4.60 3 3.98	ĺ		1.1			64.27	58.41 54.94 52.36	0.5	
759 84 85	SMITHTOWN, TENN SEMANEE LOCKHART TOMER	0-3 TVA 0-3 TVA 0-3 TVA	670 1920 2140	23 80 38	5.98 5.71 5.75 6.22 5.76 6.35		4.54 5.78 4.92 6.19 4.53 6.18	19.68	7-15	5.25 5. 3.98 5.	5.13 8. 5.41 8.		6.04 4.87 5.18	4.13 6.29 4.37 6.41 4.37 7.93		2,69 3,53 4,92 3,85 2,77 4,51	3 7.35 5 5.32 1 6.45	5 4-18 2 3-74 5 3-36	3.67 2	3.09 7	7.22 4.15 9.68 4.79 8.58 4.80	15 10.92 79 8.71 80 9.47	5.59 8.59 8.00	87.32	59.45 59.52 61.50	2.0	
438	CAGLE A COLLEGE JUNCTION	0-3 TVA 0-3 TVA 0-3 TVA	730 2120 820	3.40	5.41 5.75 6.58 5.64 4.83 5.23		3.65 5.47 4.52 5.52 4.55 5.37	14.27	6.09 6.01 5.60			}	6.20 4.15 4.34						2.56 2	2.63 7 2.58 9 2.51 11		06 9.74 07 7.30 59 7.50		76.80	53.46 54.20 51.32	3.5	
768 788	PIREVILLE X LITTON NICRAJACH OMM	D-3 NWS D-3 TVA 0-3 TVA	1000	13 35 10	4.34 4.64 4.53 5.57 4.56 5.25		4.10 4.72 3.69 5.71 4.06 4.56	12.02 10.67 15.32	6.40 5.71 6.48	4.27 4. 3.98 4. 4.22 5.	43 10.52 20 8.38		3.62	4.10 4.05 4.36 4.78 3.59 4.44	5.23	1.00 3.33 1.84 3.98 3.73 3.85	3 5.C1 8 4.31 5 3.77	3.28	3.25 2	2.73 9 2.49 9 2.92 6		24 6.05 29 7.61 50 6.56		66.20	53.04 55.19 55.90	3.5	
652 669 391	SIGNAL MCUNTAIN ES RISING FAMN ES LOCKCUT MCUNTAIN ES	D-3 TVA D-4 TVA 0-4 TVA	1670	25 27 43	5.04 5.98 5.23 5.30 5.17 5.95		3.62 6.08 3.20 5.34 4.61 6.09	13.55	6.33 5.45 6.12	5.13 5. 4.91 4. 9.37 4.	5.03 4. 4.78 7. 4.93 7.		5.65 4.76 6.34			2.78 3.35 2.14 3.16 3.35 3.79	5 6.50 6 3.59 9 3.78	3.71 9 3.57 8 3.7¢	2.81 3 2.76 2 3.15 3	3.C6 7 2.45 6 3.16 8	7.03 4.47 6.99 3.85 8.98 4.50	47 7.20 85 6.44 50 7.16	5.77 5.4.59 5.31	63.92	57.93	5.0	
488 566 722	CHATTANDOGA AIRPDRT R XX ES CHICKAMAUGA PARR ES KENSINGTCH ES	0-3 D-4 TVA TVA	671 760 850	33	5.09 5.61 5.71 5.59 6.05 5.22		3.76 5.37 3.71 5.63 3.10 5.35	13.80	5.80				4.58 4.42 4.28			2.58 3.76 1.54 3.29 4.19 2.89	6 5.38 9 7.86 9 4.20	8 3.10 5 3.98 0 4.26		3.02 5	5.87 3.6 6.52 3.9 7.47 3.8	85 8.34 98 7.89 84 6.50		71.56	\$1.96 \$3.67 \$3.37	2.5	
82 761 721	LAFAVETTE ES NECKAJACK GAP R ES RINGGELO ES	0-4 1 TVA 0-4 1 TVA	810 1280 815	39 21 21	5.89 5.65 4.51 4.82 4.96 5.04		4.50 5.54 2.48 4.85 3.30 5.44	15.29 11.85 15.16	6.10 5.30 5.77	4.95 4.44 4.45 5.		8.46 3.79 8.50 4.16 7.50 4.27	4.30	.00 5.02 83 4.09	5.01 5.01							-		A 64.00 70.82	55,17	1.3	
392 396 90		0-4 TVA E-4 NWS 0-3 TVA	940	38	5.02 5.61 5.93 5.93 5.91		2.54 5.65 2.51 5.69 3.93 5.58	12.45 9.53 15.84	5.85				4.31 5.97 5.08		1	2.00 3.92 0.99 4.26 3.09 3.40	2 8°13 6 8°37 0 8°86	3.85	2.49 2	2.87 7 2.93 5 2.83 10	7.85 3.9 5.61 4.1 10.14 4.1	92 6.55 13 5.91 15 10.55		64.00	53.12 54.97 53.68	1.0	
430	OCLTEWAN ES SECUOYAN NUCLEAR PLANT ES LEWIS CHAPEL		765 708 1850	34	5.35 5.53 5.68 6.11		3.90 5.53 4.00 4.71 5.87	14.00	5.17		6.25 6.4 6.94 7.	6.43 3.65 4.52 7.75 4.27	2.69			3.35 3.81 1.90 3.35 3.88		3.44		2.76 %	4.17 3.85 8.52 10.34 4.53			64.37 66.54 84.05	52.45	44,000	
685 420 92		0-3 TVA D-3 TVA D-3 TVA	725 740 1870	34	# 5,31 5,95 5,98 5,45 5,95 6,07		4.07 5.50 3.51 5.52 3.71 5.83	12.69	6-18		4.59 4.71 4.71 9.4	84 3.78 41 3.76 29 4.07	5.54 5.27 4.15	3.99 5.03 6.06 4.63 4.31 4.50	5 5.27 5 5.27 5 5.62	2.55 3.72 1.20 3.81 1.93 4.35	2 2.666 1 6.50 5 4.50	3.53		2.68 8 2.57 7 3.13 9	8.37 4.16 7.65 4.23 9.06 4.67	16 7.10 23 10.37 9.64	5.32 2 5.46 5.46	A 65.64 74.10 74.44	%4,25 %4,54 %8,44	22.2	
751	DANTON X ES BGGGE CROSSAOAO R ES RIDDLES STORE ES	0-3 NWS E-3 TVA E-3 TVA	864 780 1010	118	5.81 4.74 4.82 4.59 4.75 5.34		3.66 4.94 3.39 5.08 3.28 5.53	13.56 12.48 11.91	5.85	5.04 4.5.72 4.5.36 4.	4.96 8. 4.14 6.4	8.91 4.27 5.52 3.46 6.45 3.60	5.80 4.05 3.08	4.02 7.15 3.80 6.29 3.74 6.85	5 5.06 5.57 5.55	1.46 3.18 1.72 2.96 1.59 3.69	8 4°93 6 5°05 9 4°53	3 4.03 3.87 3 3.40	2.57 3 1.86 2 1.75 2	3.04 7 2.87 8 2.87 6	7.10 4.28 8.12 4.10 6.78 4.00			76.89	\$2.66 \$2.666 \$2.666	7.0	
421 756 157	"Alts BAR DAM JEETT R ES RODDY R ES	E-3 TVA E-3 TVA E-3 TVA	830 1960 810	34	6.65 5.44 5.60 4.92 5.08 5.50		3.20 5.45 3.97 4.96 4.09 5.53	10.00	5.77		.49 6.00 .77 10.73		4.76 7.26 6.72			1.56 3.34 1.36 3.59 2.98 3.18	4 4.47 9 4.29 8 3.92	3.56 3.56 3.28		2.67 8 9 2.85 8 9 2.61 8	8.38 4.10 9.93 4.33 8.87 4.08		41 91 91	67.02 A 74.31 77.00	\$2.90 \$5.29 \$2.20	0.7	
4758 795 426A	8 ROCKWOOD ES NT RODSEVELT 2 ES A LENDIR CITY ES	E-3 NMS E-3 TENN E-3 NMS	930	12 9 79	5.10 4.80 4.15 4.36 3.17 5.28		4.75 4.32 3.90 4.00 3.24 5.26	12.40	6.83 5.06 5.39	4.42 4. 4.79 4. 5.32 3.	4.97 14.63 4.30 13.53 3.95 6.85	63 5.24 53 5.69 85 3.65	7.24 6.62 7.92	4.33 6.58 4.04 6.02 3.39 4.78		2.89 3.83 0.64 3.10 3.13 3.68	3 4°49 0 3°26 8 4°35		2 - 82 3 2 - 75 3 3 - 03 2	1.38 8	4 111111			83.83 74.05 70.95	57.56 53.39 50.18	7. %	
490	FCRT LCUODUM DAM R US COTTOM FIELD STA ES RMOXVILLE AIRPCRT R XX ES	F-3 TVA F-3 USDA F-3 NWS	880 885 984	33	3.60 5.31 3.18 5.04 3.24 4.88		.91 5.27 .48 4.99 .59 4.81	10.04	5.26 5.33 4.73				7.43 5.96 5.26			2.67 2.99 1.30 3.23 2.31 3.46	9 4.43 3 4.08 6 3.28		3.09 2	. 55 7 6	7.61 3.78 6.50 3.81 5.01 3.24	78 7.28 81 8.64 74 7.38	444	66.91 60.85 58.03	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12.9	

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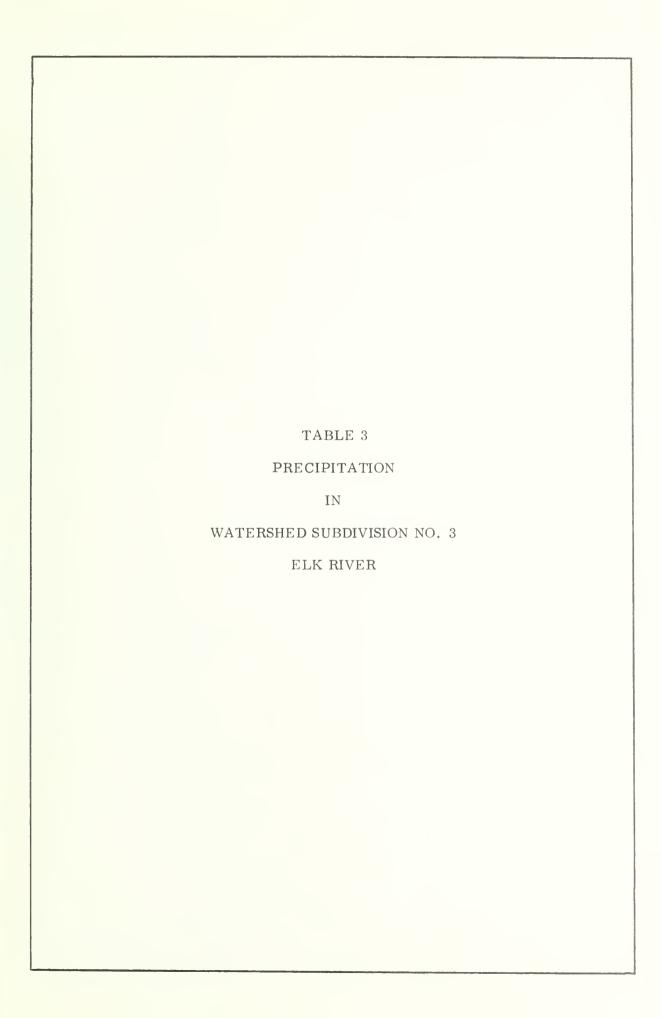






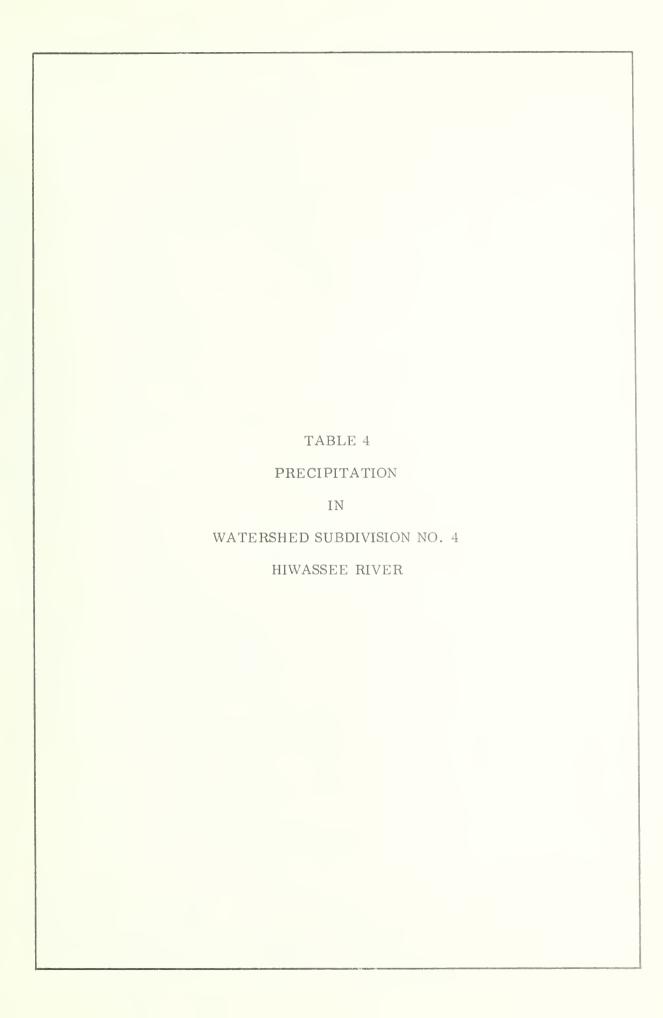
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17	Snow	(Inches)	5.0	3.0	5.0 4.1 6.5	9.0	9.0	6.5	7.0	7.5	7.05	0 . 4	5.5					
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	Υ .	ioTal	# 57.72 # 61.22 69.03	80.60 74.78 63.30	6 57.75	64.75 08.95 61.36	71.48	67.74	12.11	76.54	75.86	# 78.06 77.02 80.31	77.80					
	MBER	Nor	4.84 5.41 4.83	4.86 5.15 4.64	4.63	5.20 5.51	4.76 4.65 5.02	4.30 6.08 4.70	4.57	4 - 4 2 4 - 8 3 5 - 2 4	7.26	6.32	5.73					
	DECEMBER	1013	3.25	3.52	3.29	3.51	4.25 4.91 4.97	3.48	4 • 46 4 • 81 4 • 18	6.99 6.79 6.08	5.68	6.75 8.93 9.15	7.87					
	MBER	Nor	4.43	4.22 4.67 4.22	3.98	4. C3 3. 74 3.68	3.84	3.58	3.95	4.07	3.28	3.59	4.03				1	
	NOVEMBER	iotal	9.50 7.39 11.64	12.40 11.16 11.68	8.00 9.98 8.41	10.48	10.62 9.81 9.54	8.83 9.19 9.89	9.14 9.53 8.24	7.94	10.06	6.63	7.24					
	OCTOBER	1013 Nor 1	2.13 2.60 2.15	2.55 2.77 2.37	2 - 3 6 2 - 70 2 - 09	2.11 3.01 2.15	2.70 2.39 3.18	2.47	2.65	2.28 2.41 3.09	3.97	4.00 4.14 4.10	2.91					
	00.7	1012	2.47	3.31	# 2.48 4.94 2.99	2.88 2.40 3.04	4.00 3.24 3.85	3.61	4.51 5.08 4.45	3.65	3.73	4.67	3.77					
	SEPTEMBER Total Mach	1001				2.51 2.72 2.81					3.71	3.68	3.84					
	SEPT	0	1 - 75 2 - 19 3 - 22	4.56 1.42 2.26	5.15 3.69 2.85	1.79	1.72	3.55	1.93	1.93	8 2-36 4-97 4-79	4.39 2.71 3.12	2,62					
	AUGUST	1001				3+55 3+15 3+55							3.11					
			1.65	3.68 k.34 1.17	3.05	3.47 2.08 1.27	1.46	1.65	0.61 2.41 3.28	2.26 0.47 0.51	2.84	1.90	0.89					
	JULY Total Nos 'I					4.14							5.62					
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	MARCH Total Nor		9.75 5.66 010.03 5.75	12.18 5.48 16.86 5.75 8.84 5.42	8.92 5.46 8.40 5.57 9.52 5.30	111.33 5.05 113.39 5.70 11.50 5.00	12.82 5.68 12.35 5.28 14.01 5.64	12.58 5.32 16.70 6.03 15.54 5.69	14.46 5.16 16.59 5.46 11.48 5.30	12.64 5.43 12.67 5.41 14,54 5.61	15.57 6.26 14.64 6.10 15.1e 5.59		16.97 6.03					
			1			5.29 11 5.09 13						•	5,30 16.					
1	FEBRUARY Total Nor'l				3.81 4. 3.88 4. 3.40 5.					4.47 5. 4.24 5. 4.51 4.			5.11 5.	NCH (NCH				
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	JANUARY Total Nor 1			4.18 5 4.46 6		3.94 5	3.68 5			3.35 5.4.08 5.4.54 5	4.68 4.50 4.50 4.50 4.50 5.76 5.76		3.91 5.	1 (40)				
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	_	~			_ ~ ~		0	000	000	000		500		TERPOLA				
	Name	10N NO.									1			DYERPOLATED OR PARTLY INTERPOLATED				
	Station Name	SIA1090S-	LLE R		\$U051A	T.NEAR XX	USSTA	iE A R	.0	RO SUBSTA	NEAR			ATED OR				
		DUCK RIVER-SUBOLVISION NO.	PLEASANTVILLE LINDEN SUGAR HILL R	HOHENMAL O WAYNESBORD MCEMEN	PINEMODO OICKSON X CENTERVILLE SUBSTA	SHADY GROVE R MT PLEASANT, NEAR MCNSANTO R XX	ASHMOOD X COLUMBIA SUBSTA NEAPOLIS	FRANKLIN CULLECKA R LEMISBURG.NEAR	PALMETTO A CHAPEL HALL MURFREESBORD	MURFREESBORD SUBSTA SHELBYVILLE R SHELBYVILLE,NEAR X	WARTRACE BEECHWOOD BEECH GROVE,NEAR	NCAH R NORMANOY R TULLAHCMA	MANGHESTER	INTERPOL				
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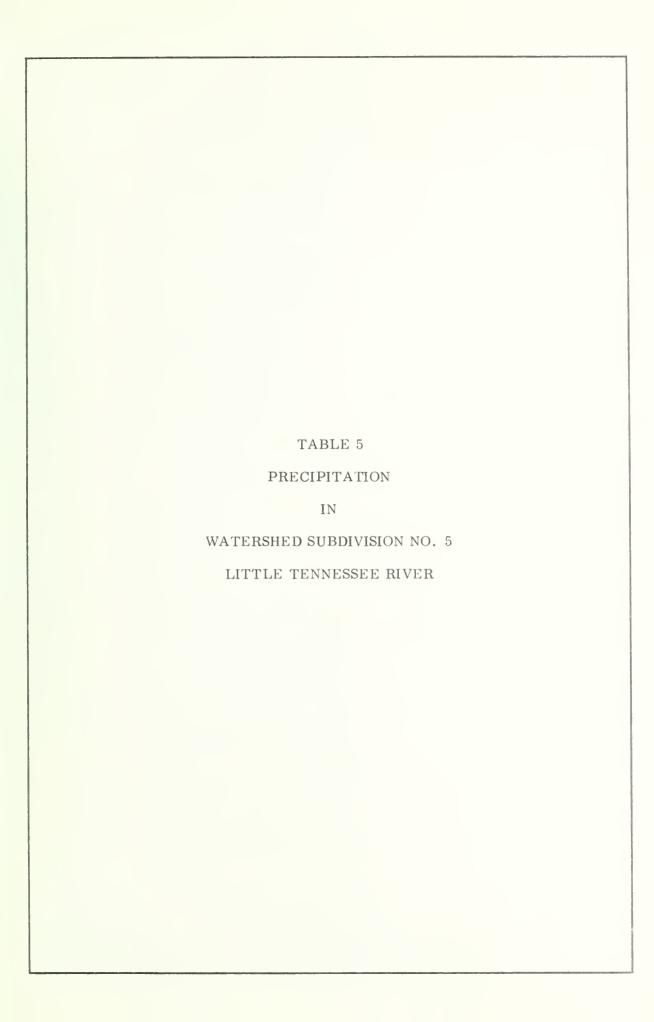








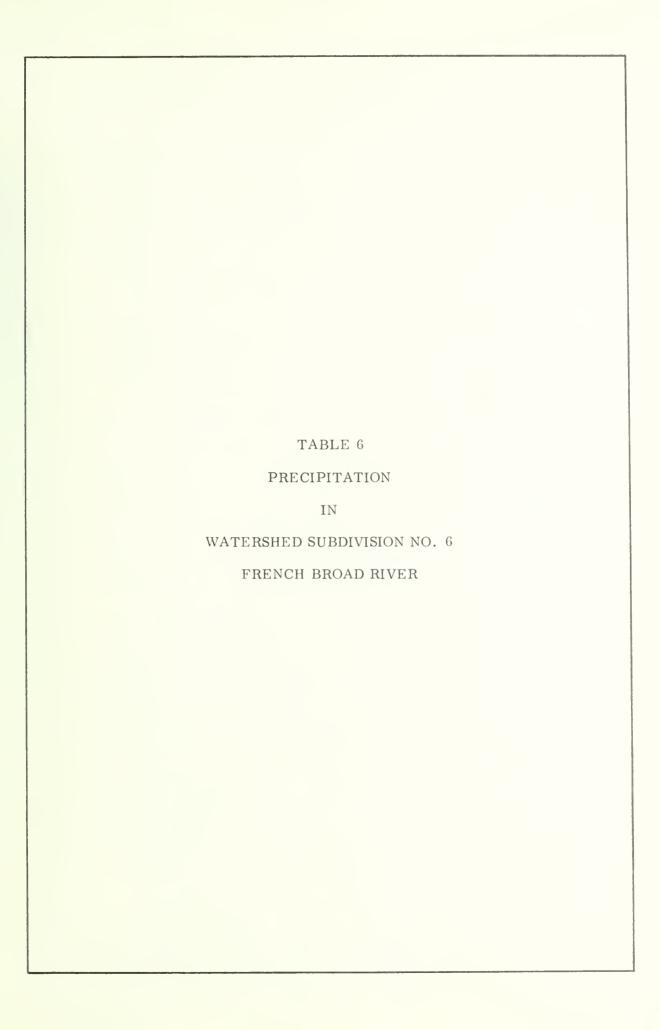
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DIVISION OF WATER CONTROL PLANNING	Depth of	(Inches)		14	0	6.0 7.5	2.5	1.5		6.5	3.5	8 . 4	5.6	1:0	3. D	2.5	0.3	0.0	3.0		
JL PL	YEAR	Nor.1	53.81	53.38	52.81	52.57	53.24 50.64 53.37	57.45 55.99 60.50	86.03 60.34 61.39	62.15 54.73 59.69	77.41 56.22 55.21	56.30	66.80	54.03	53.53 59.56 69.51	55.87 73.61 62.02	67.94 51.06 62.30	49.29 53.79 61.82	66.58 61.78 64.00	77.19	
ONTRO	YE	Total	67.69	0.000	81.22	60.41	62.21	71.63	103.80	82,34 64,81 79,70	007.59	74.40	72.60	66.50 60.33 69.16	71.34	63.04	70.50 55.62 63.24	71.09	81.89	190.57	
ER C	BE R	Nor 's	5.20	5.30	5.67	5.00	4.57	5.14	5.95	5.55	7.26	5.17	6.05	4.91 4.08	4,58 5,14 6,05	4.85 5.10	6.30 6.83	4.C6 6.50 5.21	5.68	5.40	
F WAT	DECEMBER	Total		9.67		9.47	4.84 5.29 4.39	5.13		7.95					8.67 10.14 13.18			5.30	9.70		
0 N O	BER	Nor	60 04	4.11	6.14 6.67 6.17	4.12	3.97	4.34 a	6.58 4.24 4.55			423 406 404			3.08 4.10 4.91		5.31	3.13	4.34 4.58	5.55	
DIVISI	NOVEMBER	Total	9,33	6.51	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,05 6,91 7,18	6.41 4.90 6.75	7.72	11.09	6.28	9.65	8.71 5.96 6.19	7.12 5.50 5.40	4.01 4.91 5.87	6.63 7.30 10.12	5.37	6.31 4.90 5.71	5.41 5.89 4.76	7.68	10.03	
	BER	Nor.1	2 - 8 9	3, 39	2.54	3.24	2.80	3,27	3.07	3,38	4.00 2.86 2.84	3.08	3.43	2.84	2.97 3.12 4.18	2.02 3.71 3.14	3.26	2.61 3.56 3.69	3.59	5.16	
	OCTOBER	Total Nor'i	2,31	3.16	3.30	3.09	2.38	1.99	2.85 1.73 1.84	1.75	1.98	1.67 1.96 1.33	1.65	1.43	1.50	1.71 2.25 1.38	1.42	1.58	1.64	1.42	
	SEPTEMBER	Total Nor'l	3,51	3.91	3.24	3,35	3,37	3.24	3.70	3.38	4.05 3.05 3.64	3.57	3.66	3.33	3.47	3.37	3.99	3.68	4.06 4.06 5.25	5.78	
	SEPTE	Total	3.84	4.93	4.61	2.71 3.00 3.23	5.00 5.00	6.35	9.58 6.53 6.71	6.70 7.10 4.30	9 . 24 4 . 99 5 . C8	5°E0	5.38 5.08 5.62	5.45	4.22 4.51 5.54	4.33 5.09 3.53	4.61 2.56 4.68	5.23	2.86 3.76 3.17	5.06	
	AUGUST	Total Nor'l	3.87	3.13	4.30	3.54	4.16	4.58	5.73 4.75 4.61	4.05	4.57	4.07	5.53	4.22 4.31 4.17	4.49	4.45 5.66 4.51	5.14 4.25 5.77	4.36 5.54	6.13 5.38 5.64	7.16	
	AU	Total	2,19	2.62	2.35	1.53	2.57	3.27	4 . 1 8 2 . 8 8 3 . 4 1	2.45	3-14	3.62	4.29 4.32 5.29	4.19 3.59 5.61	5.46 7.09 3.11	4.92	6.36 4.52 4.78	3.57	5.90 5.15 5.51	6.38	
ches	JULY	Total Nor'l	5.09	\$.50	4.58	5.05 4.76 4.94		5.34							5.27 5.89 7.13		6.63	5.66	7.14 5.85 5.74	5.27	
- In Inches	7	Total	5.89	2.00	5 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4.18 6.76 3.88	4.33	8.74 6.30 8.50	10.03	5.45	9.56	7.93 6.73 6.03	5.30 5.14 6.20	5.18 6.11 7.82	7.60	5.30 7.58 4.76	3.82	5.98 2.40 5.08	5.10 4.17 4.92	5.70	
	JUNE	Total Nor'l	3.72	4.22	3.77		3.84		6.21 4.78 4.31	3.77			5.18						5.21 4.83 5.04		
TAT 10	5		5.15	5.68	5.49	4.15	2.93	3.53 5.29 8.10	6.91 7.27 5.88	9.30	10.21	5.68 6.47 6.22	8.39 7.37 7.08	10.79	7.51	6 0 0 2 5 5 5 0 5 5 0 5 0 5 0 5 0 5 0 5 0	3.81	3.77	5.13 6.07 5.03	9.41	
RECIPITATION	MAY	Total Nor'!						4.22 4.22					4.59						4.064		
PRE			5.06	4.00	5.08 5.57	6.17	7.19	7.45	12.43		14.73			9.24		7.93 8.30 7.87	8.23 7.90 7.18	9.66	11.89	11.90	д З н <u>з</u>
1973	APRIL	Total Nor'l	5 4.56			2 4.47 0 4.17 9 3.86	4.50 4.6.50 3.4.63						5 5.59 3 4.91	5 5.C4 3 4.95 5 5.11			8 5.36 1 4.43 1 5.57	8 4.37 2 5.39 8 5.54	4 5.57 9 5.83 6 5.67	2 6.62	(*) BADIO GAGE ATSITE NOT PUBLEHED
JAL		Tot:											5.88					5.62			E AT SITE
ANNUAL	MARCH	Total Nor				5 6.29 11 5.49 13 5.44							7.06								אינאחוס סעכ
			11.81		•	12.65 1 12.51 9 12.13			0 10.92 6.42 6.53	7.10			7 9.62 # 6.67 3 6.14		_		9 7.17	7.19	1 10.16 5 10.84 7 10.65	1 10.40	€
	FEBRUARY	Total Nor'I				3.40 4.56 2.78 5.11 2.80 5.29	2.45 5.36 2.10 5.02 2.46 5.50	3.44 5.8	5.78 8.99 3.46 5.32 4.03 6.44	5.17 6.60 4.10 5.82 5.00 5.90	6-51 7.71 3.73 5.74 3.37 5.77	3.99 6.11 3.77 5.73 3.47 5.71	3.84 (.57 3.48 3.31 (.03	3.29 5.55 3.06 4.98 3.70 5.46	4.32 5.4 5.20 5.8 7.05 6.4	3.57 5.86 4.91 7.64 5.24 6.67	4.62 6.55 3.78 5.29 3.14 5.59	4.60 4.84 3.69 5.44 4.42 5.64	5.78 6.71 5.32 5.97	6.08 t.76 5.00 5.91	DIGITAL PUNCH
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	JANUARY	Total Nor'l	1,00 50 30 30 30 3			3.58 4.45 3.33 5.25 3.58 5.61	4.53 5.34 4.57 5.46 5.31	5.31 5.89 4.42 5.65 4.90 5.46	7.23 9.61 3.38 5.42 4.33 6.32	5.03 6.18 4.40 5.10 5.70 5.32	7.27 7.41 4.80 5.69 4.73 5.63	5.27 5.91 4.48 5.41 4.24 5.44	4.65 6.93 3.72 3.78 5.59	4.12 5.41 4.20 4.56 4.73 5.13		3.90 5.61 4.87 7.99 4.27 6.45	4.76 7.02 4.11 4.93 4.16 5.66	4.82 4.63 3.81 4.63 3.70 5.78	6.41 6.53 6.86 5.48 7.04 5.45		
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>		Index Owner	AVT			TVA TVA TVA	TVA	TVA NHS 7VA	TVA	TVA TVA 7VA	AVT	TVA TVA		AVT TVA	TVA TVA	TVA	TVA	NPCO TVA NWS	TVA	1	OLATED
HORIT			- 11	-	E-3	11.0	222	E-4 F-4	444	4 4 4	100	1.01	6-3	4-7	4 4 4	222	F - F - 5	£13 £13	6-1	F - 4	у итенро
TENNESSEE VALLEY AUTHORITY	me	101	1510N NO.	7 x ES				.^		Es Es						A ES				ES .	INTERPOLATED OR PARTLY INTERPOLATED
ALLEY	Station Name	and Location	MINASSEE RIVER SUBDIVISION NO. 81G SPRING ES	AGE PLAN7	8 ES	ES	CONASAUGA, NEAR ES CONASAUGA, NEAR ES OCOFF NO. 2 POWERHOUSE	SASSAFRAS KNOR R ES CCPPTRHILL ES HILGONS STORE, RADIC ES	í.	NCCN70CTLA CREEK ES OIAL PCST OFFICE.RA010 ES GR122LE CREEK,RA010 ES	S	R ES NO. 2	Ex ES	S	C. 2 ES	MURPHY EVAPORATION STA MYATT CREEK R ES ANDREMS ES	O R ES ES + D R ES	ES AR ES	MER ES		POLATED
EE V	Sta	an an	MINASSEE RIVER SUE	LAND SEW	CHAPLESTER ES ATMENS ES POUBLE SPRINGS R ES	MT CUMBERLAND ES ENGLEMUND ES CENTER R ES	AUGA . NEAL	RRAS KNO RHILL ES NS STORE	FLAT TOP R ES BLUE RIOGE ES STANLEY GAP R ES	DCTLA CR PCST OFF LE CREEK	SUCHES ES CORER CREEK ES FARNER R ES	TURTLETOWN ES HIMASSEE DAM R ES HIMASSEE DAM NO.	BEAVERDAM CREEK ES BEECH CREEK R ES LETITIA ES	SWEET GUM R ES ANTIOCH ES HEMPTONN GAP ES	BLAIRSVILLE NC. 2 ES CHCESTCE ES + NEEL GAP R ES	CREEK R	TEYAHALEE BALC R ES YOUNG HARRIS ES + BRASSTCWN BALO R ES	ANDREMS DAM MYERS CHAPEL ES MAYESVILLE, NEAR ES	GLADE GAP R ES LITTLE HIGHTOMER ES 717US ES +	TRAY MCUNTAIN R ES MOUNTAIN SCENE. RADIO	(a)
INESS																				1	
TE	S	ž	16	429	428A C19	513	99	101	109 367 1111	1 ; 633A 720	115 120 575	121 125 125	126 835 127	129 750 131	133 570 135	136	362	144 744 796	152 153 574	154	





ANIMAL INTERPRETATION OF THE PROPERTY OF THE P	O		1			,						,	,							 	 			 	39
ANNOMEN AFFORM THE PROPERTY AND	ANNIN	Snow (Inches)		7.0	5.5	0.3	6.1	6.5		6.0		3.5		3.0	200	4.5	5.0	5.0	5.4						
ANNOMEN AFFORM THE PROPERTY AND	IL PL	-		53.14	17.96	51,36 54,08 58,37	58.36 55.80 62.34	58.03	57,9C 82,99 49,72	54.54	90.24	51.15 56.00 47.42	53.64 60.44 73.65	72.82	63.13 52.63 58.20	51.12 49.76 57.89	£8.94 57.59 71.87	92.38 67.84 85.00	79.13						
ANNOMEN AFFORM THE PROPERTY AND	CONTRO			65.86 70.72 63.68	71.05	61.65 67.46 63.01	67.64 78.64 * 78.10	65.04 63.37 65.57	66.30 87.10 50.65	# 65,90 # 57,14	0.000 0.000	\$ 55.06 58.55 52.07	59.55 71.64 # 89.75	84.80 65.91 75.21	77.57 58.33 63.00	60.91	# 79.81 66.12 87.19	113.92	96.93						
ANNOMEN AFFORM THE PROPERTY AND	TER (WBE R		4-42	4.36	4.68 4.58	6.15 5.37 6.19	5.78 5.84 5.27	5.33	4.96 4.00 5.01	10.64	4.54	4.47 5.02 6.75	6.14 5.45 6.09	6.27 4.62 5.07	4.38 4.29 5.42	6.36 6.89	9.08	1,33						
ANNOMEN AFFORM THE PROPERTY AND	F WA	DECE! Total		1.64	6.04 7.10 6.47	5.09	5.84 7.95 # 8.11	3.89	6.80	6.64	7.50	7.04	7.66	9.45	10.90	7.78	8 9.89 8.74 12.76	14.59 9.73 15.12	15.63						
ANNOMEN AFFORM THE PROPERTY AND	NOI O	MBER Nor'l		4.17 4.08 4.10	90 %	9,51 3,92 3,50	4.06	4.23 4.20	4,30	3.78	7.07	3,41	3.53 4.15 5.37	4.92 4.30 4.51	4.57 3.67 3.91	3.17	5.14	6.72 4.64 6.32	5.16						
ANNUAL 1913 PRECIPITATION - IN INCHARACE MANUAL 1913 PRECIPITATION - IN INCHARACE MANUAL 1914 PAPEL	DIVIS	NOVE Total		1.23	6.22 9.70	7-17	6-57 8-21 # 7-89	6.50	5.80	5.24 4.27 3.50	10.30	4.58	5.97	7.17	7.10	4.29 4.75 5.74	6.51 7.18 7.72	9.95 7.38 9.31	7.89						
ANNUAL INTERPRETATION - IN THE PROPERTY - IN THE		BER Nor'I		2.96	2.65 4.05 2.93	2.95	2.82	2.97 2.70 3.01	3.18	2.78 2.57 3.02	3.66	2.45 3.18 2.76	3.15	3.00	4.13	2.92 2.85 3.19	3.84	6.04 4.41 5.65	5.06						
ANNUAL TRANSPORT FERRICA - MARCH		OCTO Total		3.31	3.60	2.31	2.32	2.46 1.06 1.59	2.60 2.80 1.30	2.52	2.30	1.33	1.71 2.03 2.69	2.79 3.13 1.66	1.70	1.76	1.89	2.2¢ 1.53 2.67	2.72						
ANNUAL TRANSPORT FEMANOR FOR INC. 1911 No. 1		MBER Nor'1		3.17	3.03	3.14	3.76	3.26	3.08	3.28	4.62 3.24 3.75	3.08 4.15 2.91	3.72	5.05	3.54	3,55	4.33 4.02 4.83	6.49 4.78 6.75	4.93				1		
Over fire, Record 1911 100 100 100 100 100 100 100 100 10		SEPTE		3,43	4.20	2.82	3.14	3.45	3. PC 5.00 2.33	3.08	5.10	2.78 2.43 1.78	2.25 1.75 3.26	3.95	2.50	3.20	5.06 2.14 3.45	5.22 4.53 3.42	3.43						
Over Fig. 18 and		UST Nor'I		3.95	4.74 6.11 4.65	4 · 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5.38 4.41	5.02 4.47 4.34	4.66 7.06 4.10	4.58	7.41	4.41 5.65 4.31	4.57 5.21 6.22	6.00 4.004 4.007	5.02 4.18 5.12	4.63 4.27 4.68	5.35 5.32 5.82	7.39 5.81 7.42	7.51				1		
ANNUAL IV. 747-6 One Fire Record		AUG		2.87	5 = 10 6 = 80 2 = 82	3.63	3.92	3 9 9 9	3.80	3.28	6.20 6.10 4.80	2.36 3.43 0.75	3.56	4.22 6.75 4.67	4.50	2.58	3.73	6.18 5.99 5.85	5.52						
ANNUAL IV. 747-6 One Fire Record	hes	LY Nor'!		5.73	5.18 6.21 5.65	6.25 6.06 7.41	6.25 5.01 5.51	5.34	5.60 8.58 4.99	5.17 5.29 5.60	9.61 5.98 6.41	5.95 5.77 5.07	5.08	6.12 6.08 5.94	4.88 5.38 5.79	5.13 4.89 5.09	6.21 5.62 6.17	8.16 5.76 8.17	9 -32						
Company Comp	n Inc	Ut. Total		4.90 6.13 6.81	11.36	5,36	7.57	5.07 4.88 6.21	6.00 9.20 2.77	3.92	5.80	3.40	3.39	3.95	5.36	4.68 4.32 5.69	8.60 2.49 4.45	6.26 4.79 4.58	4.13						
ANNUARY FEBRUARY MARCH AND MAT		VE Nor 'I		4.31 3.89 3.97	3.90	4.74 4.54 5.25	4.89 4.16 4.86	5.26 5.00 4.45	4.14 7.19 3.62	4.22 4.29 3.85	7.41	4.11	4.52 5.39 6.06	6.84 4.94 4.76	5.18 4.00 4.79	4.37	4.96 4.60 5.28	6.58 5.75 6.49	6.55 4.88			1			
### ANNUARY FEBRUARY MARCH APPILL Owner Files. Record Total Nor'l	AT10	JUL Total		6.65	5.27 5.70 5.56	6.34 4.99 4.82	6.85 6.71 7.48	3.98	5.40 9.50 3.33	4.000	3.30	4.36 4.85 3.91	4.33 5.02 4.66	6.93	3.77	3.79	4.81 5.58 4.90	7.15	8.60			1			
### ANNUARY FEBRUARY MARCH APPILL Owner Elev. Record Total North T	IPIT	Nor 'I		3,80 7,88 3,99	4.19 5.48 3.91	4.40	4,33	4.25	3,89	3.67	3.66	3.74	3,98 4,30 5,31	5.68	3.45	3.25	4.63 3.99 4.59	5.94 4.83 5.59	5.40						
### ANNUARY FEBRUARY MARCH APPILL Owner Elev. Record Total North T	PRE	Total		6.45 7.17 5.12	5.44	5.96	5.80 8.46 8.37	5.88 7.01 7.59	6.80 7.80 6.58	7.36	9.30	7.79 8.70 8.78	8.94 9.59 12.68	10.93 9.86 9.26	10.70	9.62 9.19 9.05	9.68	15.79 11.56 13.82	13,33						
### ANNUARY FEBRUARY WARCH Owner Elex Record Total Nor' Total Nor' Total Nor'		Nor'I		4.79 4.35 4.24	4.35 6.68 4.22	4.39	4.74 4.61 4.94	4.97	4.76 6.91 4.12	4.15	6+71 5-17 4-71	4.07	5.18 5.81	5.44 5.29 5.31	5.70 4.39 4.69	4.28 4.36 4.62	5.80 4.82 6.41	8.07 5.98 6.86	6.28						
##CONDER AT PRESENT (DP) DAGITAL PUNCH		API		6.68 7.30 5.82	5.44	5.01 6.11 6.35	5.88 7.17 6.79	7.40	6.70 10.30 5.30	6.44	9.80 7.90 6.70	4.95 5.79 3.88	5.86 8.65	6.30 6.92 6.71	5.67	6.12 5.26 5.22	7.05 5.72 7.68	11.58 6.53 8.89	7.06						
Conner Elev Record Total Nor" Total Nor"	NNC	RCH Nor 1		5.61	5,72		6.31	6.21 6.18 6.53	6.29 8.11 5.70	6.19 5.81 6.67	9.02 6.72 6.56	5.83 6.11 4.94	5.85 6.47 7.74	6.95 6.79 7.17	6.29	5.60	7.51 6.22 7.78	9.53 7.09 8.79	7.18						
Vrs. of JANUARY Vrs.	⋖	MAF		11.23 12.63 11.26	13.40	10.78	10.81	10.01	10.20	8.98 8.02 9.11	14.50 11.10 12.70	8.11 8.45 8.15	8.38 10.13 13.96	12.64 11.67 9.35	9.60 8.11 9.90	8.29 8.03 9.21	9.61 9.59 12.98	17.71	14.79						
Vrs. of JANUARY Vrs.		UARY Nor'I		4.03 5.19 5.04	5.36 7.55 5.22	5.43	5.85	5.16	6.68 8.51 5.26	5.74	7.01	5.56	5.08	6.07 6.60 6.91	5.58	4.84 4.84 6.00	7.30	9°28 6°48 7°64	0.76						
Conner Elev Record Total		FEBR Total		3.10	2 · 6 9 2 · 8 0	2.59	3.65	3.19	3.70	4.06 4.08	7.40	3.58	6.35	6.56 5.85 5.44	3.93	4.28 4.43 4.94	5.34	7.86 6.01 8.07	7.54	UNCH			į.		
Conner Elev Record Total		JARY Nor'l		6.41 5.22 5.16	5.44 7.92 5.23	5.66	5.00	5.55 5.49 6.24	5.99 6.71 5.18	5.52 5.37 6.03	7.75 5.21 6.03	5.09	5.67	5.48	6.13 5.56 5.85	4.76 4.79 5.67	7.49 5.23 7.13	9.1C 5.82 7.76	7.17	DIGITAL P					
Herco		JANI		2.90 3.17 3.76	4.61 5.80 2.95	3+81 4-25 4-02	4.84 5.39 5.00	5 00 0 4 0 0 8 4 0 4 5	4 . 80	5.03 4.16 4.57	6.50 4.70 5.30	4.31	5.00	8.08 5.04 4.57	6.30 4.36 4.60	4.33 4.70 5.31	6.89 5.71 7.19	9.37 6.87 8.53	6.29				1		
S		Yrs.of Record		12 69 39	39	28	444	39	34.4	3.2 3.2 4.1	32	36 32 64	33	32	32	40 25 32	39	37 23 32	7.9	PRESENT			ı		
C		Elev.		785 930 980	880 4640 1010	920 950 1964	1110 1960 2640	1310 1312 1990	2520 6250 1725	1830 1950 2100	\$000 2620 4500	1940 3330 2100	2320	3260 2020 2950	3400	2000 2115 2230	5440 2255 2420	4464 2170 3850	3350 1950	ORDER AT					
AUTHORITY		Owner	١,	HLCO TVA TVA	TVA AVT	USD1 ALCO USD1	ALCO ALCO TVA	US01 TVA	TVA	NPC0 US01 US01	TVA	TVA TVA NW S	NPC0 NPC0 TVA	NPC0 NPC0 NPC0	TVA	NPCO TVA TVA	TVA TVA USFS	USFS TVA TVA	NES						
AUTHC	RITY	Index	N NO. 5		201				111											TED					
NESSEE VALLEY Station Name Station Name and Location title flowistyre review and Location title flowistyre review flowing the state title flowistyre review title flowing the state title	TENNESSEE VALLEY AUTHORITY	Station Name and Location	LITTLE TENNESSEE RIVER-SUBOLVISION NO. 5	VONORE, NEAR Z ES WCGMEE ES (1171E ES	TELLICC PLAINS ES STRATTON MEADOWS, RADIO ES MINT ES	ABHAMS CREER ES LALDERMCOD POMERHOUSE .ADES COVE ES	Œ	THENTYMLE ES FONTANA DAM STECOAH ES	NOLAND CREEK DP ES CLINGMANS DOME, RADID ES BRYSON CITY ES			AACKS COVE ES SALSAM ES ULLOMMEE A ES	HORPE DOMERHOUSE HORPE DAM AUREL MOUNTAIN R ES	ENNESSEE CREEK OAM JANTAHALA JANTAHALA OAM	MALLACE GAP, RADIO ES VEEDMORE ES AVEN MOUNTAIN OP ES	111 🗸	JTO ES OWEETA NO. 20 ES	COWEETA NO. 31 ES AABUN GAP ES IGMLANOS ES	HIGHLANDS NEAR X ES LAYTON X ES	INTERPOLATED OR PARTLY INTERPOLATED					
A	TENN	S†a.		1																					







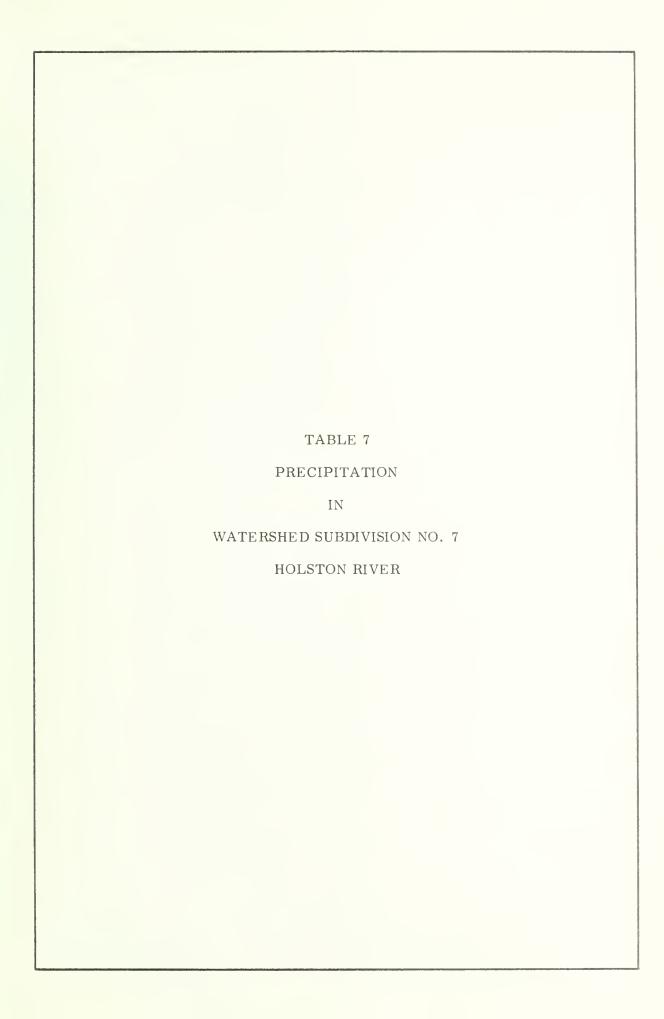
						204111	0			4			,						0								Depth of
Sta No.	Station Name and Location	Index Owner	er Elev.	Yrs. of Record		JANUARI Total Nor'l	Total Nor'!		Total Nor	A Total	Total Nor'!	Total Nor'l		JUNE Total Nor"		JULY Total Nor'l	Total Nor'l		Total Nor'l		OC LOBER Total Nor'l	Total Nor'l		DECEMBER Total Nor'l		YEAR Total Nor	Snow [(Inches)
	FRENCH BRUAD RIVER-SUBDIVISION NO	NO. 6																									
642 642A 754	SEVIERVILLE ES SEVIERVILLE XX ES JONES COVE ES	F-3 TVA E-3 NWS F-3 TVA	920 930 1180	55 18 17	3.07	3.73	2,30 4, 2,23 4, 1,63 3.	4.56 8 4.14 8 8 3.79 7	8.62 4.71 8.00 4.73 7.51 4.67	4.56	3.76	5.06	3.69	4.68 4.0 4.34 3.7 5.59 4.9	04 4.38 73 3.44 99 2.20	38 5.78 64 4.87 20 5.43	4.37 3.65 4.65	4.01 3.18 4.54	3.28 2.64 3.40 3.33 2.28 3.70	2 2.5	5 4.32 7 2.83 0 3.27	5.32	3.28			57.70 47.	0 8 0
399A 496 209	PITTMAN CENTER ES PICEON FORGE ES GAILINGURG, NEAR ES	F-3 TVA F-3 TVA F-3 NWS	1350 1030 1460	21 33 48	3.36	36 3.29 22 4.58 25 4.83		3.85 7. 4.41 9.	7.58 4.48	5.03	3.44	5.76 6.10 7.55	3.35 3.35 4.17	5.26 5.2 6.37 4.1 6.85 5.1	28 3.5 (1 2.6 6 4.8	91 5.76 13 5.07 15 6.60	6.60 4.62 5.51	5.18 4.07 5.41	4.29 3.3 4.29 2.8	5 1.74 5 2.72 8 1.77	2 2.87 2 2.43 7 3.01	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.27	3,45	3,10	54.df 46.d	7 11.0
209A 210 593	GATLINGURG R ES MT LE CONTE ES OCUGLAS DAM	F-3 TVA F-3 TVA	1460 6350 958	32	30.00	39 4.40 89 4.40	2.27 5.20 1.94 4.	3,52 9	9.15 4.71		4.22	6.94 8.48 7.8.7	4,85	6.43 5.4 8.23 4.97 3.4	48 4°1	37 7.53 50 11 4.48	5.29	4.76	4.45 3.90 6.17 2.73			5 - 10 6 - 55 5 - 02	3.26			53,55 43,64	
2112 213	OANGRIOGE ES MHITE PINE R ES BULLS GAP ES		1080		2.36 2.51 2.55	36 4.25 51 4.00 55 4.16		4 - 4 7 8 8 . 4 4 6 8 . 5 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8.28 4.75 8.50 4.34 8.65 4.73	4.93	3.56	1.61	3.14			71 4.55 76 4.54 12 5.03	5.62	3,49		6 2.28 5 1.89 3 2.13	14 10 10	5.61	3.21				7.5
214 216 661	LITTLE CHUCKY ES NOLICHUCKY OAM,RADIO ES	6-2 TVA 6-2 TVA 6-2 TVA	1175	39 29	1.91 3.22 2.60	3.76 3.90 3.87	1,90 3, 2,12 4, 2,00 3,		7.77 4.13 7.94 4.46 7.60 4.08		3.25	5.96	3.21	2.75 3.06 5.24 3.85 2.60 3.68		81 4.78 41 4.87 0 5.02	3.62	3.29				5.02 4.29 3.50	2. 20 3.07 2.89				
217	GREENEVILLE, NEAR X ES CAMP CHEEK BALC R ES LIMESTONE ES	6-2 NWS 6-2 TVA 6-2 TVA	1320		2.38 2.79 2.16	38 3.62 79 5.42 16 3.6C	1.59 4.00 1.65 3.	3.78	8.30 4.36 9.28 5.85 6.19 4.16	6.30	3.22	5.16	3.35			80 5.04 32 7.16 37 5.31	3.66	3.53 5.16 3.72				4.15 6.74 4.01	2.80	2.91 3. 5.54 4. 2.86 2.		1,02 41,97 1,03 59,61 1,26 41,62	7 10.0
730	CENTERSVILLE ES EMBREEVILLE ES ERMIN ES	6-2 TVA 6-2 TVA 6-2 TVA	1580	21 4.6	2.19	19 4.34 59 3.70 59 3.63	2.16 4. 1.96 4. 1.62 3.		8.00 %.85 7.39 %.55 7.48 %.64	4.11	3.69	6.81	4.01 7.89 3.98				3.75 3.51 3.64	3.69	2.93 3.00 3.19 3.26 3.79 3.18	0 1 5 5 2 8 5 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 9 9 9	2 2.91 2 2.72 6 2.64	4.58 4.61 4.46	3.46			45.04 48.04 51.39 46.33 45.14 40.39	
753	UNICOT X ES LIMESTONE COVE ES ROPLAR ES	6-2 NWS 6-2 TVA 6-2 TVA	2021 2365 2000		2.82	52 4-13 52 4-70 54 3-85	2.41 2.39 2.66 3.	4.43 6. 4.49 7.	6.96 4.49 7.92 5.02 8.2772	3.86	4.28 4.31 3.64	6.95 5.78 6.22	4 0 6 2 4 0 0 1	8.15 4.7 7.62 4.4 6.32 4.4			3.59	4.60 5.19 4.55	2.21 3.67 3.19 3.32 3.88 3.32			4.33 5.25 4.72	3.36				
223	FLAT TOP MOUNTAIN ES CANE RIVER ES MCKINNEY GAP ES	6-2 TVA 6-3 TVA 6-3 TVA	2880 2540 3960	39	2.88	38 4.41 13 3.79 74 6.21	2.46 2.21 2.49 6.5	3.98 9.96	7.91 5.23 9.64 4.55 9.23 7.09	5.01 5.71 5.90	4.18 3.60 5.08	7.24 5.85 6.16	3,94	6.92 4.70 5.05 3.57 4.49 4.60	70 3.61 57 3.93 50 2.50		3.34	5.15 4.22 4.76	2.51 2.22 2.51 3.06 1.72 3.67	2 2.59 6 2.62 7 2.93	9 3.12 2 2.64 3 3.45	5.56	3.50	6.03 3. 6.89 3.	3.72		7 21.2 2 6 40.0 6 68.0
228 733 231	CORCOMB MOUNTAIN R CLINGMANS PEAN OP ES REAN HIGH KNOR R ES	6-3 TVA 6-3 NWS 6-2 TVA	4180 6525 6120		4.91 4.40 4.25	31 3.77 50 4.83 25 4.61	3.33 4,	4.054 7.90 5.56 410.90 4.65 10.78	90 4.85 90 6.13	5.02 8.50 7.74	3.90	5.21	3.97 5.91 4.82	3.59 4.0 4.50 6.3 5.83 5.3			4°.02 4°.20 4°.32	4.63 6.58 5.01	3.26 3.61 7.4C 5.32 3.57 4.33			5.37	3.31 4.71 4.00	7,50 5.0	• •	54.31 47.73 73.20 68.99 69.68 57.23	
402	BAKERSVILLE ES CELO ES CELC.WEAR ES	G-2 TVA G-3 TVA G-3 NWS	2600 2750 2700	35 39 31	3.36	36 3.24	2.29 3.41 4.14	3-64 7	7.63 4.13 9.19 5.54 9.34 5.95	5.35	6 4 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6	4.62 6.02 7.52	3.68	3.69 3.8 2.45 3.7 3.24 4.2		74 4.66 73 5.22 15 5.21	2.76 2.68 3.58	5.00 5.00	2.87 3.35 5.22 4.05 6.58 4.50		6 2.50 0 3.57 9 3.95	3.70 4.006	2.70 3.62 3.79	8.09 4.88.53 4.8			8 12.5 7 21.2 7 9.5
233A 234 623	MT MITCHELL R ES SNOW CREEK ES SPRUCE RINE NG ES	G-3 TVA G-3 TVA G-3 TVA	6280 2765 2580		5.42	42 5.5C 31 3.46 37 3.95	2.90 3.	3.62 7. 3.89 9.	11.87 6.92 7.74 4.44 9.25 5.03	7.94 5.00 6.70	3.36	10.49 5.26 7.24	5.06	2.99 5.99 4.19 3.8 3.35 3.8			4.18 2.20 6.55	7.88 4.31 5.18				3.93				85.97 74.85 51.92 43.64 65.41 49.17	
235 729 236	LITTLE SMITZERLAND R ES GILLESPIE GAP R ES ALTARASS ES	G-3 TVA G-3 NWS G-3 TVA	3560 2825 2760		5 0 8 5 2 2 2 4 0 5 9	22 3.67 59 4.02	# 4°29 4° # 4°28 4° 3°95 3	4.32 13. 4.68 3.89 9.	13.42 5.63 5.11 9.92 5.00	6.57	4.56 4.89 4.31	8.92	4.14 4.39 3.73	4.75 4.2 5.92 4.5 4.01 3.8		37 5.72 34 4.90 39 4.62	4.12 5.54 5.62	6 - 26 5 - 08 4 - 72	6.69 4.91 5.45 5.02 3.76 4.07	1 2.95 2 7 4.32		5.22	3,87	9.02 4. 3. 7.61 3.	4,32 # 7 3,76 3,56	74.0C 56.98	* D
233	PLUMTREE SMDKY GAR ES NEWRORT ES	G-2 TVA H-2 TVA F-3 NWS	2880 3680 1080		4.42	34 3.80 72 4.20	3.69 4. 8 3.70 3.	4.18 8. 3.74 7. 4.35 7.	8-89 4-86 7-05 4-26 7-54 4-57		4.26 3.88 3.61	6.62 6.91 6.27	3.82	3.62 3.9 6.58 4.3 3.29 3.8			4.62 2.26 3.54	4 . 8 8 4 . 9 0 4 . 0 2	4.00 3.55 2.82 3.58 2.47 2.56		3 3.28	4.63 3.72 4.66			•	59.33 49.61 54.03 46.85 43.66 44.77	1 14.8 5 27.0 7 5.0
241A 538 243	NEWRORT ES COSBY NO. 4 E5 MARTFORD ES	F-3 US01 F-3 US01	1720	33	2.50	50 4.79 59 4.79	1.53 4. 3.07 5.	6.13 6. 5.10 9	6.51 4.61 9.86 5.62 6.40 4.67	4.09 5.29 4.22	3.48	5.34	3.51 4.37 3.81	3.71 3.68 6.12 4.96 3.66 4.81			5.69	3.69	4.08 2.69 4.72 3.30 4.12 2.72		1 2.49 0 2.95 3 2.51	4.14 6.44 4.29				42.50 43.63 66.05 55.84 45.80 48.08	
244	MATERVILLE XX ES MT STERLING ES CAFALOCHEE ES	F-3 NWS F-3 TVA F-3 USOL	1440 2830 2670		2 85 3 3 46 4 0 3 4	36 4.56	2.20 4.	4.19 7. 4.69 10.	7.63 4.61 10.04 5.53 9.06 5.56	4.62 5.24 4.43	3.86	6.13	3,64	2.91 4.73 6.61 4.58 4.82 3.94	73 3.94 58 4.58 94 4.57	94 6.19 58 6.75 57 5.64		4.75 5.18 4.75	3,38 2,58 4,71 3,45 3,88 3,13		1	4.05 5.39 5.05	2.84 3.54 3.34	5.60 3.		49.20 47.63 60.84 53.35 57.56 50.04	0.61
247	CATALOGGHEE RANGH R ES WAVNESVILLE X ES CHAMBERS MOUNTAIN R ES	F-3 TVA G-3 NWS G-3 TVA	4800 2675	35	4.50 3.39 2.51	50 6.23 39 4.65 51 3.11	5.59 6.	6.29 #10.44 4.32 8.26 3.06 6.54	26 4.95 .56 4.95	3.05	3.58							5.41		7 1.90 4 1.64		6.95 3.40 2.45	4.41 1 2.88 2.37				6.9
250A 251A 251	MANNESVILLE MATERSHEO NO. 5 R ES CANTON ES CANTON XX ES	6-3 TVA 6-3 CPEF 6-3 CPEF	2590 2700 2600		3.03	50 2.98 06 3.06 03 3.46	2.36 3.	3.28 6. 3.55 6.	6.78 4.40 6.78 4.11 6.71 4.00	3.84	3.26 3.81 3.30	4.54 5.13 5.14	3.14	5.31 3.9 4.23 3.9 4.41 3.1			3.64	4 * * * * * * * * * * * * * * * * * * *	2.59 2.85 2.80 3.39 2.83 2.83	•	8 2.53 7 3.17 0 2.61	2.85 2.84 2.71			• •	45.52 40.51 43.80 40.31	0 ** 0
253 254 629A	OIX CREEK ES MT PISGAH A ES BIG EAST FORK, RAOIO ES	G-3 TVA G-3 TVA G-3 TVA	3260 5160 3120	39 27	4.69 8 4.84 7.20	59 4.40 20 4.90	3.31 4.5.37 4.5.60 5.	4.42 5. 4.47 10. 5.98 13.	5.50 5.24 10.06 5.43 13.90 6.18	3.35	3.82	5.82 9.40 10.30	3.48	3.79 4.0 3.48 5.1 4.00 4.8	08 7.53 18 5.28 80 3.20	53 4°52 28 6°18 20 4°40	1.34	4.76 6.50 4.16			0 3.10 6 5.12 C 5.57	3.21 5.52 7.50				50.82 48.58 61.73 60.25 75.10 60.90	
742 190 255	SUNBURST RADIO ES MAYMODO GAP R ES MOLF CREEK ES	G-3 CPCF G-3 TVA G-3 TVA	3100 5400 1200		6 - 30 8 - 58 4 - 40	30 5.71 58 6.50 40 3.65			9.30 5.91 15.60 7.19 8.35 4.44		5.12 6.55 3.35	8.50 10.73 4.85	4.04 5.49 3.71				1.70	3.51	1.70 3.76 3.76 6.14 2.25 3.22	6 2.00 4 3.05 2 1.23		5.60 10.35 1.93					
256A 257 719	HOT SRINGS AIRWAYS Z ES MAX PATCH MOUNTAIN R ES MAPLE SRING GAP ES	G-3 NWS G-3 TVA G-3 TVA	1480 4285 3790		2.84 3.62 2.55			3.65	7.28 4.23 8.52 5.13 8.15 4.76		3.69 4.84	5.67	3.37	4.62 4.39 4.67 4.97 8.06 4.85		06 5.41 66 6.78 06 6.14	4.62 3.17 4.41	4.43 5.41 4.60				4 . 19 4 . 83 5 . 23		4.06	3.51		9.0
261A 259 672	TUG FORK ES COOY STORE ES SAMS GAR, RADIO ES	G-3 TVA G-3 TVA G-3 TVA	2850 2550 3760		2.58	58 2.5C 28 3.88	2.16 3 2.68 3. 2.70 4.	3.14 7. 3.85 7.	7.37 4.99 7.48 4.59 8.90 5.32	4.16 4.61 5.50	3.55	5.55	3.80 3.91	4.15 4.36 3.82 4.27 4.40 4.67	36 3.53 27 2.84 07 1.90		2.92	4.07 4.30 4.20			9 3.3¢ 9 2.73 0 3.2¢	3.46					
262 263 264	MARSHALL ES 1VV ES BARNAROSVILLE ES	G-3 NWS G-3 TVA G-3 TVA	2040 2150 2250	39	3.70	70 3.22 3.28 76 3.18	2.55 1.89 2.41	3,29 6	6.70 3.84 7.41 4.20 6.58 4.12		3.18 3.21 3.05	3.84	2.98 3.33 2.87	4.63 3.64 2.66 3.72 2.27 3.85			2.58	3.56			7 2.19 5 2.35 5 2.62	3.00					13.9
666 265 786	MENVENTLE ES LEICESTER ES RARKER PHANCH R ES		2160 2170 2180	28 39 21	3.27	27 2.95 20 3.10 80 2.59	1.61 2 2.47 3 1.69 3	3.17 7.	7.17 3.91 6.81 4.18 6.04 3.72		3.20	5.08	2.96				2.54 2.02	3.55	2.96 2.56 2.32 2.73 2.35 2.90		5 2.40 5 2.57 6 2.74	3.67	2.29		2.50 4		
2678 267 268A	ASHEVILLE ES ASMEVILLE R X ES BEETREE DAM ES		2130 2274 2540	8 8 9	3.01	57 3.17 94 3.37	2.89 3. 2.70 3. 3.41 3	3.04 6.	7.12 3.28 6.84 3.74 7.90 4.56	-	3.85	6.39 5.66 8.29	3,78 # 2,87 3,43	1	2.36 2.20 24 24 2.72		1.95	4.01 3.63 5.39	2.23 3.16 2.19 2.78 2.89 3.62		3 3.17	3.12	2.43	3,27 3, 6,09 2, 5,80 3,			, 9.0 9 12.8
2698 270 271A	CRAGGY KNOB R ES SMANNANDA-NEAR ES NGRTH FCRK NO. 2 ES	G-3 TVA G-3 NWS G-3 NWS	3890 2260 2550		4.55 3.52 2.84	55 3.88 52 3.39 84 3.90	3.59	3.43	8.36 5.53 7.69 5.10	6 . 24 4 . 17 4 . 76	4.75 3.48 3.91	8.94 7.62 7.91	4.41				3.97	4.77 5.01 5.66	2.98 4.C8 3.21 3.40			5.48	3.80 2.75 3.25		.05	.52 54.35 43.21 50.94	5.0
271	MORTH FORK R ES BLACK MOUNTAIN X ES ENKA ES	G-3 TVA G-3 NWS G-3 NWS		48 24 43	4.077	77 4.56 67 3.51 81 3.19	3.87 4 4.16 3 2.75 3	3.95 6	8.12 5.73 6.67 4.97 7.52 3.91	5.59	4.71 4.09 3.20	1.91	3.96 3.87 3.21	2.75 4.83 3.14 4.69 2.39 3.42	83 3.88 69 2.60 42 6.60	88 6.04 50 4.44 60 4.89	3.49	6.22 4.81 4.69	4.16 4.48 2.06 3.84 5.04 2.81		3 3.96 2 3.96 4 2.70	5.07	3.65	6.70 4. 7.98 3. F.24 2.	4.11 # 5 3.76 # 5 2.91 4	59.19 67.01 52.89 49.07 49.48 39.99	
266 275 791	RCCKYFACE WOUNTAIN ES BENT CREEK X ES ASMEVILLE AIRPORT R XX ES		3100 2110 2140			99 3-43 00 3-75 26 2-80	2.21 3 4.14 3.	3.45 6 3.78 10	6.96 4.30 10.02 4.63 8.91 4.31	4.14 4.61 5.71	3.31 3.82 3.09	5.35 9.66 8.83	3.02 2.99 4.65	2.90 3.82 2.27 3.95 3.87 4.23			2.19	4.8E 4.78				2.93	2.59 3.03 2.74				5 10°0 3 4°0 2 11°6
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44		_				1				 				 	 1	 ,		 	
Depth of	Snow	(Inches)	50.5	5.5	*	60 * 60	5.0	0 * 4	0 * *										
	-	Nor	47.04 57.43 54.66	56.12 56.12 70.70	11.47 54.05 52.65	77.03 79.56 75.07	77.09	80.19 76.20 60.68	73.83									Î	
>	Total No.	loTai	61.90 63.84 71.10	71.69	# 93.86 71.40	91.20	77.40 100.05 82.09	97.51	109.82										
0	IBER	- LON	3.39	4.72	6.39 4.12 3.57	6.50	5.33	7.11	7.35										
10000	Tetal Mar 1	10131	7.09	10.63	13.78 8.96 8.72	13.93	10.56 13.51 14.36	14.79	13.79										
0	NOVE MBER	Nov			į.	5.48		1	5.68										
1	NOV	10 141	4.14 4.00 3.70	3.76	9.21 4.19 4.88	6.18	9.41	8.75 8.51 11.30	8,03									1	
0	OCTOBER Total No.11	Nor				7.49 5.73 5.05			5.20										
			4.54	3.84	3.07	4.51	3.43	2.39	2.66										
	Tetal Mos'!	100				4 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			5.62									Ĭ	
100			3.33	4.69	3.87	2.813	2.11 3.62 3.14	3.27	3.31				,						
1010	Total Nor	100				7.98			7.36									1	
=	Total	101	4.92	2.28 2.96 2.08	2.48	3.76	2.69 5.10 2.18	3.12	2.62									Ŋ	
2	JULY Total Nor"	-				7.50			7.29									Ŋ	
=	To + o T	0 0	3.59	5.64 7.07 7.75	8 5.41 8.76 8.48	8,21 6,51 6,40	6.00 7.19 4.26	4.26	5.14										
	JUNE Total Nos'l	- 101				7.11			5.37									Ŋ	
			3.67 4.33 6.32	5.99 6.30 6.22	4.98	96.98	5.12 5.19 4.63	6.51 6.13 11.72	5.04										
2	Total Nor'l					5.36			ł										
			9.10	9.36 9.11 11.63	13.81	12.31	11.43	16.09	12.30										
100	Total Nor'l					5.73								ı,					
						7.55 8.88 8.87													
1	Total Nor'l	5				7.20													
			8.35 9.21 9.30	10.58			11.47	14.79	16.83										
VOALIO	Total Nor's		3.81				5.45		7.98										
0 4				5.54 5.17 7.09				-	6.80		DIGITAL PUNCH								
70411	JANUAKT Total Nor'!						1		6.20		(DP) DiGI								
			5.04	5.46	7-79	0.72	6.26 9.11 6.98	7.18 6.78 8 8.54	9.21									4	
	Prs. of Record		398	77 26 39	38	38	34 20	39	28		RECORDER AT PRESENT								
	4		2090 2260 2260	2080 2210 2950	3285 2070 2150	2515 2700 3086	2150 3120 2120	2230 2230 3440	2920										
	Index Owner	DATIMOED	* * * * * * * * * * * * * * * * * * *	7 4 8 5 7 4 8 5		TVA	NW S TVA NW S	4 × × × × × × × × × × × × × × × × × × ×	TVA		(3)								
	Index	NO. 6 CONTINUED	6-3	5-5-5	6-3	0-10	6-9	-5-5-5			RPOLATE								
	ame on	801V 151 DA	E R ES					S3			URTLY INTE								
	Station Name	FR N. H BRCAD RIVER SUBDIVISION	A & MAIRPERT ES CARRÍN CREER ES PLLE RIDGE POST OFFICE R ES	MENDERSCHVILLE A ES MENDERSCHVILLE ES AUSM MEUNTAIN ES	R ES NEAR X ES ER R ES	CEDAR WCUNTAIN R ES CAESAR WCUNTAIN R ES	PISCAM FCREST ES GLOLCESTER GAP R ES RREYARD X ES	or or	ES MAY ES		INTERPOLATED OR PARTLY INTERPOLATED								
		FR N'H BR	A 6 M AIR GARREN CR BLUE RIDG	HENDERSON HENDERSON AUSH MEUN	PINK OEOS R ES FLETCHER,NEAR R ES WILLS RIVER R ES	PUCK FURE CEDAR WOU CAESARS H	PISCAH FC GLOUCESTE BREVAND X	ROSMAN NO ROSMAN R SASSAFRAS	LANE TOXAMAY ES		(*) INTERP								
	St S		2769	274 279A 280		203A 203 204	476 A62 205	286 286 8	663A 723										

DIVISION OF WATER CONTROL PLANNING

ANNUAL 1973 PRECIPITATION - In Inches

TENNESSEE VALLEY AUTHORITY





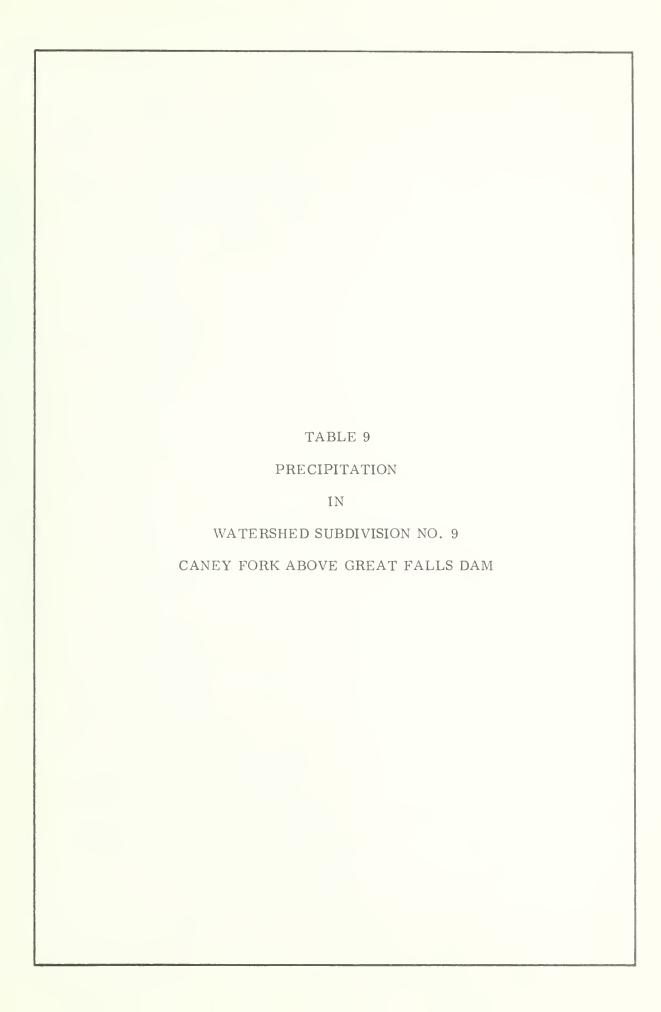
		Sta	a. Station Name			Yrs. of		JANUARY	FEBRUARY	ARY	MARCH		APRIL		MAY	JUNE	JULY		AUGUST	SEPTEMBER		OCTOBER	NOVE	NOVEMBER	DECEMBER	BER	YEAR	Dep	Depth of
		Z	and Location	Index Owne				I Nor I	Total N		Total No.		'al Nor'		l Nor 'I	Total N	otal Nor		Nor 1	Total N				Nor'!		Vor '1	Total Nor	-	(Inches)
	111 101 101 101 101 101 101 101 101 101	0.00	MOLSTON RIVER-SURGIVISTON STRAMBERRY PLAINS ES BUSFALC SPRINGS GAME FARM CHERCKEE DAM		870 1140 1012		2.91					9 40							2.82				7.30 8.02 7.17	3.548		6.10	50.45 44. 11.78 44.	, a 40	4 W
		100	JEFFERSON CITY FVAP SIA MORRISTUMN OP ES FLAT GAP ES		1200		2.75			4.8.7.9				~					3.46				7.14 7.20 8.91	3.62		4.13 4.13 4.73	\$3.78 45.38 \$92.30 \$7.63 \$6.31 \$7.71		12.5
		0 N 5			1375		2.00			4.31 4.21 4.31				-									5.29 6.06 7.30	3+15		3.74 8 3.74			5 *01
		-0-			1335					3.43				-									7.69	3.C8 3.C4 3.04		3.68			9.2
		~ ~ ~			2290 1725 3075		1.69			3.76													6. C5 5. 03 3. 56	2.67 2.67 2.99		3,30			33.6
		000			1200		1.71			3.78													5.56 5.33 5.C7	2.57		3.61			7.0
		000	PRISTOL AIRPORT, TENN R XX MALLACE, NEAR ES BLUFF CITY ES		1545		1.74			3.56													4.52 4.68 3.85	2.51 2.11 2.97		3.21	45.67 41.76 49.60 41.23 40.34 44.44		7.0
		400			1525		2.02					18											4.05	2 - 89 3 - 60		3.49			7.0
	### Company of the control of the co	0 m m			2030		2.05 2.08 2.13					28											3.02	2 . 67 2 . 62 2 . 79		3.46			10.7
		ed ed ed			2200 2570 2550		2.20					099											3.43	2.56 2.67 2.93		•	}		11.2
	CONTRICTOR 1	200			2400 2085 3100		2 + C 3 C					38 25									1		2.64	2.24					14.1
	Control City with Part Control City with P	0 = 0			3110		1.99					34											3.67	2° 69 3° 27 2° 56			46.56 42.7C 50.07 53.10 42.43		20.3 14.0 12.8
	Controlled Con	m - m	JCHNSON CITY.NEAR ES JCHNSON CITY VETERANS HOSP R ELIZABETHTON NO. 2 ES		1545 1735 1512		2.16 2.71 2.23			3.78	1	3.2 5.1 0.7				1			1				4 4 4 5 5 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2.73 2.94 2.74					3.0
	HANDOLATED OR MATTA DETERMINE G. 2. 174 115 17 17 17 17 17 17 17 17 17 17 17 17 17	NOT			2590		2.60					06 12 28				}	ļ						4.56 5.15 4.20	3.00 3.13					54.5
Control of the cont	### STATE OF THE PROPERTY PRESENT 18	0000			1835		1.65 2.75 2.75 2.71		-	-		05 06 29						ĺ					5.11 5.86	2 . 78 3 . 2 4 3 . 2 2		•	51.84 44.35 52.07 49.72 56.34 45.75		11.5
Continue of the continue of	Conference Con	0.00			1990 2437 2280		3.02				6.54 4. 6.33 4. 5.81 3.												# 5.12 4.13 4.25	3-11 2-74 2-79		•	49.56 46.15 52.98 44.57 48.13 44.43		17.0
Company Comp	REFERENCE FOR MATCHIN LESS HER STATE AND SEASON OF THE ALL STATES AND SEAS	000			2900 2115 3760		4.04 2.05 3.37					111					1						3.91	3.22					16.3
TAMENDALIND OR PARTITY PSTROOLATED OR PARTITY	ILONIARIO GAP RES. H-2	#00	GRANDFATHER MOUNTAIN X REESE ES MAST ES		5240 3320 2672		3.71					35		ĺ									3.71	3.71		3.89	61.63 61.46 48.27 47.01 47.30 41.13		40.0
#COME ES #H-2 MMS 3325 645 5456 442 442 1249 5410 6427 4405 510 6427 44	#COME ES H-2 MMS 1325 45 5-50 4-27 4-00 4-27 4-00 10-05 5-10 0-27 4-00 6-27 4-00 5-50 5-50 5-50 5-50 5-50 5-50 5-50	000	ZIONVILLE ES TRADE.RADIO ES RICH MCUNTAIN GAP R		3710 3510 4350		8 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				6.87 4. 5.50 3. 8.84 4.												4.35 3.50 4.81	3.44		3.60			26.0
INTERPOLATED OR PARTLY INTERPOLATED (B) RECORDER AT PRESENT (DP)	DYTERPOLATED OR PARTLY INTERPOLATED (R) RECORDER AT PRESENT (DP)	Om	BCONE ES BLOWING ROCK		3225		5.29					10		_									3.98	4.02	' '	6.62			26.1
INTERPOLATED OR PARTLY INTERPOLATED (R) RECORDER AT PRESENT (DP)	DYTERPOLATED OR PARTLY INTERPOLATED (R) RECORDER AT PRESENT (DP)																												
				(R)	RECORDER	AT PRESEN			PUNCH																				
																									П				

TABLE 8 PRECIPITATION IN WATERSHED SUBDIVISION NO. 8 CLINCH RIVER



Station Name				VOALLINAS	YOUNGER	DOGAN	A D D L I	2 4 5 4	LIVE TO SERVICE TO SER	2	TOLIDITA	070744070	OTTOBLO		NOVE MDED	DECEMBED	O A G A		Depth of
and Location	Index Owner	Elev	Yrs of Record	Total Nor 1		Total Nor's	To	Tot	To	Tot	Ĕ				- Mor'i	Total Nor '1	Total	-	Snow (tnches)
RIVER-SUBOLVISION NO. 8		0 4 2	9			10.8 44 01			1.11	3	3.48	7 7	21.3		*		4	2 2 2	
KINGSTON ES KINGSTON STEAM PLANT R HARRIMAN ES	E-3 TVA F-3 TVA	760	23 2 2 2 3 2	5.08 5.24	3.56 4.44 5.15	11.45 5.49			5.44	6.27	3.69	4.04 4.04 4.04	2.52				72.27	24.44	2 2 2
PETANS ES PILOT MOUNTAIN ISOLINE R	E-2 TVA E-2 TVA 0-2 TVA	1400	38	5.23 6.20 4.07 5.17 4.95 5.18	4.08 5.74 3.21 4.89 4.35 4.47	11.75 6.08 8.97 5.17 11.83 5.74		13.12 4.5 9.81 3.5 14.85 6.0	27 8.67 4.70 93 8.27 3.77 08 6.49 4.92	5.71	2.98 1.02 1.25	5+29 3+10 3+33	2.52 2.62 2.14				66. 4	46.81	3
CLARKRANGE ME®BERTSBURG CRUSSVILLE, NEAR	0-2 TVA E-2 TVA 0-2 NWS	1770	34	4.14 5.26 5.25 5.25 4.21 5.83	3.65 4.84 4.05 5.30 4.05 5.02	10.44 5.28 10.18 5.45 11.42 5.45		10.54 3. 13.78 3.1	6.63 9.36 8.99	1.23	2+31 2+09 1+51	3.39	3.17				* 07,00 19:04 75:67	20.00	8.0
	0 3 TVA 0-3 TVA E-2 TVA	2010	8 8 8 8 8 8 8 8		4.67 5.10 4.23 5.37 3.29 4.65	11.25 5.40 12.40 6.23 8.55 4.84		10.55 3. 11.65 4. 10.82 3.	6.14 5.51 7.38	9.63 7.12 12.26	2.16 1.67 1.09	3.64	2 = 59 3 = 23 2 = 85			6.74 5.76 8.10 6.08 0.85 4.61	77.50	50.44 57.76 47.76	0.0
FRANKLUT, RADIO CROSSVILLE AIRPORT XX CCNCORD, NEAR ES	E-2 TVA 0-3 NWS E-3 TVA	1460	34 20		2 - 70 17 3 - 15	11.90 4.94 11.71 0.31 4 9.55 4.97			4.90	8.24	0.80 1.80 1.80	3.40 0.04 2.13	2.53				14.36	50.05	
PAULETTE ES MELTON HILL DAM BULL RUN STEAM PLANT R	F - 2 F - 3 T V A E - 3 T V A	1060 941 836	33		3.81 3.78 3.48				5.19	5.12	3.74	1.81 3.48 3.05	4.82 3.63 3.93	29 9.78 96 9.01 23 11.42			71.76	47.81 52.11 52.74	. 0 . 5
CAM RIGGE RAM ES CLINTON MATER PLANT ES VASPER ES	E-2 NWS E-2 TVA E-2 TVA	905 820 1020	27 85 36	4.21 5.94 3.71 5.36 4.82 5.13	3.42 5.80 3.18 5.38 3.88 5.18	11.43 5.59 10.71 5.58 9.45 5.45			5.08	5 . 5 4 4 . 4 4 5 . 9 9	2.25 3.52 3.91	3.41	3+3£ 2+81 2+15				75. 3 ° 75. 1	54-11 - 99 - 5-7	0 0 0 0 0 0 0 0 0 0 0 0
NORRIS R ES NORRIS X ES ACRRIS DAM	6-2 TVA 6-2 NWS E-2 TVA	970	3D 40	4.02 5.06 4.01 4.28 4.13 5.12	3-11 4-95 3-17 3-92 3-23 5-03	10.40 4.2C 10.57 5.37 9.97 5.45	4.37 3.9C 5.01 4.92 4.75 3.85	8 75 3. 9 55 6.	3,73 4,21 3,97 4,45 5,56 5,04 2,79 5,87 3,91	97 2.67 4.63 04 3.79 5.54 91 3.18 4.45		2.64 2.98 2.48 3.47 2.22 3.18	2.47 2.85 8 2.00	2.35 12.03 3.52 12.30 2.40 #12.92	5 6 6 0 5 6 6 0 5 6 6 0	8-46 4-72 7-46 5-52 8-23 4-81	7 7 0 5 64 (5 7 0 5 7 5 7 0 5 5 7	48.82 54.17 49.61	33
TURLEY ES LA FCLLETTE ES LA FOLLETTE MATER PLANT ES	E-2 TVA E-2 TVA E-2 TVA	1,000	32	3.99 5.14 3.20 4.92 3.85 4.15	# 3.91 4.92 3.63 4.73 3.45 4.72	9.35 5.05 9.71 5.39 10.60 5.92			6.87 8.70 10.05	3.38	3.76 2.87 2.55	3.92	4 - 25 2 - 58 2 - 7C				# 72.89 69.37 76.47	3 r * F 5	0.0
MESTBURNE ES MELL SPRING ES ARTHUR ES		1260	386	3.43 4.75 3.40 4.29 2.55 5.19	3.57 4.63 3.06 4.43 3.06 4.91				6.01 7.30 8.47	2.90 2.87	5+11 3+38 5+15	2.55 3.64 2.70	3.53 1.93 3.75				10.64	50.12 45.20 50.55	5 ° C
MIDDLESBORD ES ROSE MILL ES JONESVILLE NO. 2 ES	F-2 NWS F-2 TVA F-2 TVA	1128	95 39	2.72 5.03 1.81 5.19 2.07 4.76	2.88 4.64 2.92 4.78 2.79 4.00	8.93 5.44 11.47 5.42 7.52 5.14			0.111 5.19 4.94	6.48 5.50 7.37	4.46 4.90 3.97	2.56 4.15 3.88	3 - 50 5 - 64 5				66.74 69.12 63.97	49.31 50.28 46.36	5.04
PENN NGTON GAP R ES OLINGER ES BIG STENE GAP ES	F-2 NWS G-2 TVA G-2 TVA	1386	42 39 18	2.16 5.28 2.01 4.86 2.04 4.53	3.09 4.88 2.41 4.67	# 8.74 5.48 8.25 5.29 7.50 5.15			6.34 5.03 4.52	5.18	2.75 3.47 1.96	% 84 3.72 4.40	\$ 6 9 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				58.50	59.44 49.64 52.49	00.0
HIGH KAOB R ES WISE X ES OUNBAR, VIRGINIA X ES	G-2 TVA G-2 NWS G-2 TVA	4120 2500 1930	39	2,55 4,54 1,43 3,51 1,50 4,70	3.99 4.15 2.49 3.89 1.35 4.38	8.54 4.98 6.85 4.40 7.96 5.07			5.47 4.19 5.43	3.58 5.83 3.21	2.38 1.81 2.63	3.47	4.38 4.82 5.10				* 63.01 51.76 56.55		31.2
MHITE HOLLEN R ES MALKERS FORD X ES TAZEMELL, NEAR, TENN ES	F-2 TVA F-2 TVA F-2 TVA	1500	33	3.23 4.70 2.71 4.77 3.07 4.78	3.25 4.70 # 2.42 4.80 2.81 4.78	9.60 4.83 10.12 5.03 11.43 5.08	3.86 3.53 # 4.97 3.51 4.44 3.73		9.00	2.19	2.41	2.90 2.70 2.52	2.73 4.76 2.66	2.32 13.67 2.38 9.43 2.33 10.19			70.28 # 68.87 68.20	45.14	0 * 0
BIG SYCAMORE R ES THORN HILL ES CLINCHPORT ES	F-2 TVA F-2 TVA G-2 TVA	2025 1430 1260	39	2.41 4.69 2.19 4.55	# 2.78 4.35 2.40 4.85 2.87 4.37	8 8.00 4.80 8.26 4.97 8.23 4.88		6.73 3.7 7.88 3.0 6.84 3.	5.60	3.97	3.82 3.65 3.75 2.81 3.55 3.95	2.56 2.50 3.52 2.54 6.47 2.92	3.91	2.14 9.81 2.29 8.18 2.44 7.44	3.20	6.37 4.04 5.80 4.17 5.24 3.85	62.39 56.33	44.98 45.45 47.12	f. 3
DUNCANNON ES CLEVELANO, VIRGINIA ES MONAKER, NEAR ES	6-2 1VA 6-2 1VA 6-1	2500 1540 2230	940	1.40 4.16 1.68 3.62 1.65 3.55	2.09 4.03 2.17 3.66 1.46 3.53	7.38 4.64 6.75 4.26 5.89 4.27	4.42 3.44 4.98 3.36 4.84 3.30		.77 3.68 3.67 94 1.70 4.24 .04 1.31 4.24	2.32	3.40	2.74	4.13 4.32 5.25			4.74 3.47 4.82 3.31 4.28 3.07	48.24		10.0 0.0 0.0
HONAKER R ES SPRING CREEK R ES SWOROS CREEK ES	H-1 TVA H-2 TVA H-1 TVA	1960 2365 1900	32	1.68 3.38 1.71 3.37 1.75 3.57	1,26 3,41 2,72 3,32 1,74 3,48	5.65 3.95 5.40 3.94 5.35 4.19		3.83 3.4.78 3.4.57 4.57 4.5.	1,38 2,19 1,25	28 5.53 4.56 76 5.89 5.38	1 3.66 3.85 5 4.26 3.54 8 4.04 4.20		3.03	2.37 5.67 2.33 4.56 2.44 5.62			43.48 46.95 47.26	40,41 40,42 43,54	4) * W
JEWELL RIOGE ES TAZEMELL.VIRGINIA ES		2940	39	# 1.60 3.58 1.51 3.48	2.86 3.33	# 5.31 4.22 4.63 4.17			3.21	6 * 4 6	3.02	1.72	3.77				47.72		37.3
NTERPOLATED OR PARTLY INTERPOLATED	RPOLATED (R)		RECORDER AT PRESENT		(DP) DIGITAL PUNCH														
	1 1		*																

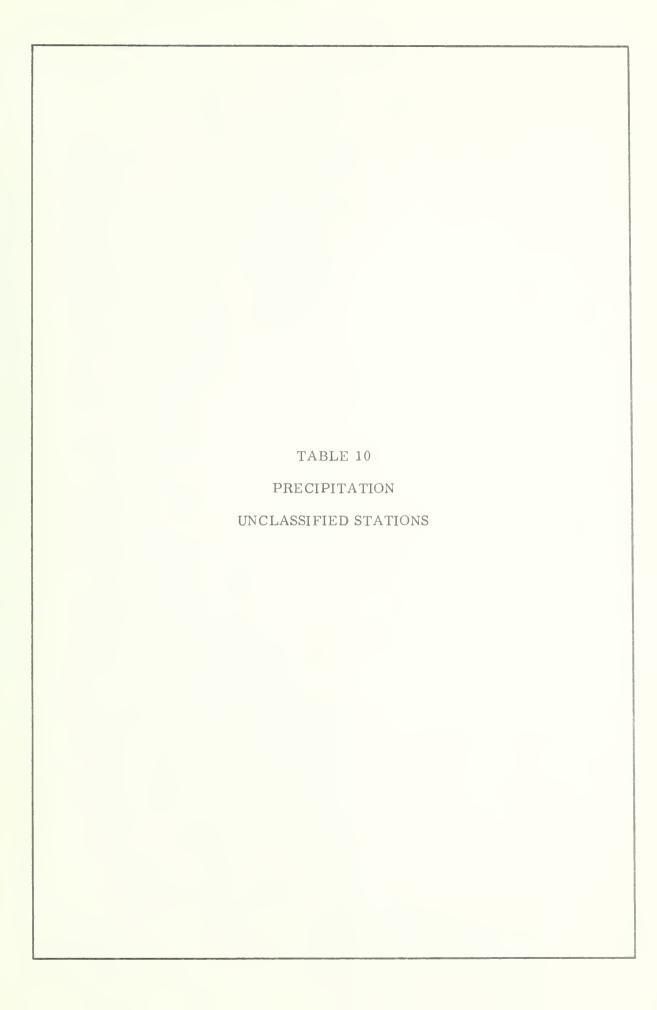






YEAR Snow Total Nor'l (inches)	7 * .	51.47	51-47 56-21 56-19	24.00 20 10 10 10 10 10 10 10 10 10 10 10 10 10	71	27.00 27.00
DECEMBER Total Nor'I To		0.31 6.41 PC 0.7	2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.10		201 300 300 300 201 300 300 300 300 201 300 300 300 300 201 300 300 300 300 201 300 300 300 300 300 300 201 300 300 300 300 300 300 300 201 300 300 300 300 300 300 300 300 300 3	201 202 202 203 201 202 203 203 201 202 203 203 201 203 203 203 201 203
OCTOBER NOVEMBER Total Nor'I Total Nor'I		2.44 6.07 2.10 7.57 3.30 6.88	2.44 8.01 2.10 7.53 3.30 8.88 2.11 7.44 2.41 8.41 2.61 8.10	2 - 44 2 - 111 2 - 64 2 - 12 2 - 64 2	2.44 2.10 2.11 2.47 2.47 2.44 2.44 2.44 2.44 3.10 3.10 3.10 3.10 3.10 3.10 3.10 3.10	2.54
SEPTEMBER Total Nor'I		3.86 3.65 1.98 3.51 2.18 3.85	3.86 3.55 2.18 3.65 2.18 3.65 2.93 3.47 4.50 3.54	2.00 2.00 2.10 2.10 2.00 2.00 2.00 2.00 2.00 2.00 3.10	2.108 2.108	01.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
LY AUGUST Nor'l Total Nor'l		1 0 9 3	10.00	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00	**************************************
JUNE JULY Total Nor'I Total Nor'I	2	3.73 8.55 4.23 7.27 4.22 6.57	4.23 7.27 4.23 7.27 4.22 6.57 1.79 3.20 4.36 7.79 3.81 5.90	4,23 8,55 4,23 6,57 1,79 3,20 1,79 3,20 1,79 5,70 4,12 5,70 4,12 5,70 1,80 1	4,22 4,22 4,22 4,22 6,24 1,10	100 100 100 100 100 100 100 100 100 100
Total Nor'I Tot		4.11 4.11 5.37	4.11 4.11 5.54 6.56 6.56	4 3 4 5	6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
APRIL 1 Total Nor's		6.99 4.30 9.30 4.25 5.07 5.22	5.30 4.25 5.30 4.25 5.7 5.22 5.61 5.06 5.61 5.06 5.60 5.11	4,30 5,10 5,10 6,25 7,7 7,22 7,10 7,10 7,10 7,10 7,10 7,10 7,10 7,10	, , , , , , , , , , , , , , , , , , ,	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nor'I Total Nor'I		12.24	12.24 13.93 13.92 12.94 14.29	12.24 12.93 13.94 13.96 13.96 13.96 13.96 13.90	12.55 13.45 13.45 13.45 14.20 14.20 10.60 10.60 12.60 12.60 12.60	
JANUARY FEBRUARY Total Nor'l Total Nor'l		5.55 4.44 5.45 3.81 4.39 4.79	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$152 275 0010 \$152 275 0010 \$153 1010 \$154 1010 \$155 101	5,455 5,465 5,465 5,466 6,003 7,406 6,003 7,406 7,406 7,407	100 100 100 100 100 100 100 100 100 100
Yrs. of JAN Record Total						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
. Elev	6 .0				•	
Index Owner	The same and the same of the same of	2	DAM-SUBOLVISION NO. 0-3 TVA 0-3 TVA 0-3 TVA 0-3 TVA 0-3 TVA 0-3 TVA	DAM - SUBBLIVISION NO. 10.3 TVA (-3 TV	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TANK
Station Name and Location	ABOUT COPAT FALLS DA	PALLS	CREAT FURN ROUSE DEFAULS IN CREAT FLUS PERFOUSE MODOBURY INVINCE COLECE ALTAMON FADOD	C DECEMBER OF CENTERS	FRHUUS F	S S S S S S S S S S S S S S S S S S S







0	3												_						
	Snow (Inches)		D	10.00	4 4 6						}								
0	ofal Nor'l (51.76	47.04	53.46 40.35 51.92														
>	Total	54.18	67.91	15.06	63.40									1					
MRFD	Nor'l				5.10 4.61														
OFCEMBED	Total	\$. 35	3 1 4 2 4 5 7 5 2 6 7 5	3.04	4.38														
NOVEMBED	Total Nor'l				4.30 4.14 9.02 3.76 8.69 4.29														
OCTORER	Total Nor'l				2.69 2.47 2.87 2.50														
SEPTEMBER	Total Nor'l				2.51 3.41 1.86 3.10 1.52 3.48														
AUGUST	Total Nor 'I				3,47 3,37 1,95 3,04														
JULY	Total Nor'l				5.20 4.54 7.07 5.59				1										
JUNE	Total Nor'l			2.67 4.89 3.90 3.48															
MAY	Total Nor'i			5.14 3.95 5.14 3.94															
APRIL	Total Nor'l			5.83 4.52 1.33 3.95															
MARCH	Total Nor'l			6.66 5.34 10.59 5.25				ŀ											
FEBRUARY	Total Nor'I			2.46 3.68 3.68 4.67 3.96 5.52											1				
JANUARY	Total Nor'l			2.47 3.33 3.72 5.56 7.57 5.47							(DP) DIGITAL PUNCH								
Yrs. of	Record	103	500	34.00	21 26														
>-	Elev. R	263 385 359	256 422 335	419 425 504	4.70 500						RECORDER AT PRESENT								
		2 × × × × × × × × × × × × × × × × × × ×	TVA NWS NWS	TVA TVA	1 × ×						RECORDER								
	Index Owner			177							(R)			,					
Station Name	and Location	MEMPHIS AP R XX MARTIN SUBSTA JACKSON SUBSTA	PELO SUBSTA ESOEN LTON	PARADISE STEAM PLANT SOUTH NASHVILLE SURSTA GARDEN CITY	GALLATIN STEAM PLANT SUMMER SHAGE SURSTA						INTERPOLATED OR PARTLY INTERPOLATED								
			10 DR	764 PA 469 SO 513 GA							(*) INTERPC								





